

Sequence List

<110> Rosen et al.

<120> 83 Human Secreted Proteins

<130> PS735

<150> PCT/US02/05064

<151> 2002-02-21

<150> US 60/270,658

<151> 2001-02-23

<150> US 60/304,444

<151> 2001-07-12

<160> 445

<170> PatentIn Ver. 2.0

<210> 1

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1

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<210> 2

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<212> PRT

<213> Homo sapiens

<220>

<221> Site

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<223> Xaa equals any of the twenty naturally occurring L-amino acids

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1

5

<210> 3

<211> 86

<212> DNA

<213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic sequence with 4 tandem copies of the GAS binding site found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)), 18 nucleotides complementary to the SV40 early promoter, and a Xho I restriction site.

<400> 3
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 cccgaaatat ctgccatctc aattag 86

<210> 4
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic sequence complementary to the SV40 promoter; includes a Hind III restriction site.

<400> 4
 gcggcaagct ttttgcaaag cctaggc 27

<210> 5
 <211> 271
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Protein_Bind
 <223> Synthetic promoter for use in biological assays; includes GAS binding sites found in the IRF1 promoter (Rothman et al., Immunity 1:457-468 (1994)).

<400> 5
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<210> 6
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Xho I restriction site.

<400> 6
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<210> 7
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer complementary to human genomic EGR-1 promoter sequence (Sakamoto et al., Oncogene 6:867-871 (1991)); includes a Hind III restriction site.

<400> 7
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<210> 8
 <211> 12
 <212> DNA
 <213> Homo sapiens

<400> 8
 ggggactttc cc 12

<210> 9
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Primer_Bind
 <223> Synthetic primer with 4 tandem copies of the NF-KB binding site (GGGGACTTTCCC), 18 nucleotides complementary to the 5' end of the SV40 early promoter sequence, and a XhoI restriction site.

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 ccatctcaat tag 73

<210> 10
 <211> 256
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> Protein_Bind
 <223> Synthetic promoter for use in biological assays; includes NF-KB binding sites.

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 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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<210> 11
 <211> 1172
 <212> DNA
 <213> Homo sapiens

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 <222> (25)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (74)
 <223> n equals a,t,g, or c

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<210> 12
 <211> 1649
 <212> DNA
 <213> Homo sapiens

<400> 12

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<211> 1965

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 1796

<212> DNA

<213> Homo sapiens

<400> 18

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<210> 19

<211> 1881

<212> DNA

<213> Homo sapiens

<220>

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<222> (1865)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1873)

<223> n equals a,t,g, or c

<400> 19

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<210> 20

<211> 2618

<212> DNA

<213> Homo sapiens

<220>

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<222> (2597)

<223> n equals a,t,g, or c

<220>

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<222> (2599)

<223> n equals a,t,g, or c

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<210> 21

<211> 1549

<212> DNA

<213> Homo sapiens

<400> 21

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<210> 22

<211> 3239

<212> DNA

<213> Homo sapiens

<400> 22

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<212> DNA

<213> Homo sapiens

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<211> 2517

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (950)

<223> n equals a,t,g, or c

<220>

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<223> n equals a,t,g, or c

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<211> 807

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 1487

<212> DNA
 <213> Homo sapiens

<400> 28

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 <211> 1889
 <212> DNA
 <213> Homo sapiens

<400> 29

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<211> 1192

<212> DNA

<213> Homo sapiens

<400> 30

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<213> Homo sapiens

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<212> DNA

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<213> Homo sapiens

<400> 33

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<211> 2051

<212> DNA

<213> Homo sapiens

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<211> 2053

<212> DNA

<213> Homo sapiens

<400> 35

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<211> 1877

<212> DNA

<213> Homo sapiens

<400> 39

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<211> 1352

<212> DNA

<213> Homo sapiens

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<400> 43.

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 <212> DNA
 <213> Homo sapiens

<400> 44

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<211> 2030

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 508

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 50

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<212> DNA

<213> Homo sapiens

<400> 51

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<211> 2842

<212> DNA

<213> Homo sapiens

<400> 52

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<210> 53

<211> 765

<212> DNA

<213> Homo sapiens

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<210> 54

<211> 1896

<212> DNA

<213> Homo sapiens

<400> 54

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<210> 55

<211> 1876

<212> DNA

<213> Homo sapiens

<400> 55

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<210> 56

<211> 1072

<212> DNA

<213> Homo sapiens

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<210> 57

<211> 652

<212> DNA

<213> Homo sapiens

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<211> 1352

<212> DNA

<213> Homo sapiens

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<210> 59

<211> 1335

<212> DNA

<213> Homo sapiens

<400> 59

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<211> 2140

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 63
 <211> 1977
 <212> DNA
 <213> Homo sapiens

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<210> 64

<211> 2632

<212> DNA

<213> Homo sapiens

<400> 64

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<210> 65

<211> 1241

<212> DNA

<213> Homo sapiens

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<211> 1154

<212> DNA

<213> Homo sapiens

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<211> 1077

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 68

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<211> 3453

<212> DNA

<213> Homo sapiens

<400> 69

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<211> 1109

<212> DNA

<213> Homo sapiens

<400> 70

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<211> 1158

<212> DNA

<213> Homo sapiens

<400> 71

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<211> 1269

<212> DNA

<213> Homo sapiens

<400> 72

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<211> 2911

<212> DNA

<213> Homo sapiens

<400> 73

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<211> 5023

<212> DNA

<213> Homo sapiens

<400> 74

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<211> 1129

<212> DNA

<213> Homo sapiens

<400> 75

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<211> 1799

<212> DNA

<213> Homo sapiens

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<211> 2463

<212> DNA

<213> Homo sapiens

<400> 79

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<210> 80

<211> 1168

<212> DNA

<213> Homo sapiens

<400> 80

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1168

<210> 81

<211> 1707

<212> DNA

<213> Homo sapiens

<400> 81

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<210> 82

<211> 1480

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83

<211> 425

<212> DNA

<213> Homo sapiens

<400> 83

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<210> 84

<211> 1732

<212> DNA

<213> Homo sapiens

<400> 84

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<210> 85
 <211> 2131
 <212> DNA
 <213> Homo sapiens

<400> 85

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<210> 86
 <211> 1143
 <212> DNA
 <213> Homo sapiens

<400> 86

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<210> 87

<211> 641

<212> DNA

<213> Homo sapiens

<400> 87

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<210> 88

<211> 1524

<212> DNA

<213> Homo sapiens

<400> 88

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1524

<210> 89

<211> 1810

<212> DNA

<213> Homo sapiens

<400> 89

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<210> 90

<211> 1617

<212> DNA

<213> Homo sapiens

<400> 90

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<210> 91

<211> 758

<212> DNA

<213> Homo sapiens

<400> 91

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<210> 92

<211> 2152

<212> DNA

<213> Homo sapiens

<400> 92

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<210> 93

<211> 758

<212> DNA

<213> Homo sapiens

<400> 93

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<210> 94

<211> 1116

<212> DNA

<213> Homo sapiens

<400> 94

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<210> 95
 <211> 724
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
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tgatgaagat ctgctagaaa tcatgaaaaa gtttgtgccc cctgactaca agatccatag	240
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gaggcagatc ccactggaga gaatcatcgt ggaaacggat gctccctatt tcctccctcg	420
ccaggttccc aaaagccttt gccagtatgc ccacccgggc ctggccttgc atacggtccg	480
agagattgcc agagtcaaag atcagccact ctccctcacc ttggctgcct tgcgtgagaa	540
caccagtcgc ctctacagtc tttaagcaga gaaggtacag tcctcgggag tctcctagaa	600
aaggtcgtaa aactcacatt ctgtattttt taaaaaccag gacaagtctt ttgttgcatt	660
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aaaa	724

<210> 96
 <211> 636
 <212> DNA
 <213> Homo sapiens

<400> 96	
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tggccattcg ggctcagcac agcaacgcag ccagactca gactggggaa gcaaacaggg	180
gctggacagg ccaggagagc ctgtcggaca gtgatcctga gatgtgggag ttgctgcaga	240
gggagaagga caggcagtg cgtggcctgg agctcattgc ctyagagAAC ttctgcagcc	300
gagctgcgct ggaggccctg gggtcctgtc tgaacaacaa gtactcggag ggttatectg	360
gcaagagata ctatggggga gcagaggtgg tggatgaaat tgagctgctg tgccagcgcc	420
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ccgggtcccc agccaacctg gccgtttaca cagcccttct gcaacctcac gaccggatca	540
tggggctgga cctgcccgat gggggccatc tcaccacgg ctacatgtct gacgtcaagc	600
ggatatcagc cacgtccatc ttcttcgagt ctatgc	636

<210> 97
 <211> 1204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1187)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1196)
 <223> n equals a,t,g, or c

<400> 97
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 cgacctcagg tcaggaaaag cccaccgaag ggccaagaaa cacctgcctg gggagcaaca 180
 acatgtacga catcttcaac ttgaatgaca aggctttgtg cttcaccaag tgcaggcagt 240
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 ggacagagca ggcagtgagc ctcttagtgt ttctaatagca gcccgtggcc atctcagaca 720
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 gagggctagt gtgtccccc caccagcctc ctttctaccg aatgcacact cagcctaaga 1080
 ccctcagggg caccgtatcc tccccgctga cttccatttc ttggctgatc ttggcccat 1140
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 gggg 1204

<210> 98
 <211> 1117
 <212> DNA
 <213> Homo sapiens

<400> 98
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 ttgtgtgctc ggctgtgggg gacgcttgcc tcactctggc ggcagccttc gtccctggca 180
 tggccgcctt tgcaccgccc cactcctct acgtctgggc ctteggtctc tctccctgc 240
 agcccgccct gctgtgtctc atcatcctgg cccctggccc ctacctcagc cttgtgtctc 300
 agcacctcga gccggatatg gtccctgccc tggcagccta tgggctgatc ctgatggcca 360
 tgctgtggcg cggcctggcc cagggcgagg gtgcccgtct gggcgcgctg ctcttcacgc 420
 tctctgatgg cgtgctggcc tgggacacct tcgcccagcc cctgccccat gccrcctgg 480
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 tgcaaggacc tgggcctccc agcccagccc mgcctgagaa atacctcag cagcgaagct 660
 tcctgacgac tgtctgcagg cgcygtgccc gccgtcgctt ctggctgaag acgtttgagg 720
 acgatttgcg gaattccaag tccactact ggttcagct gccttcccc ggttctgact 780
 ccagatccct ggctcctcag ccaggcccac atggagccct cccagccacc agcctgcctc 840
 catgttcaact gtcggcccca cagcctgccc gccccctgct gctgctctga atccgttttc 900
 cctgtgggtg tggaaaccgta gatgttgctg ttaccgtagg agaggcctcg gggagggtca 960
 tcattgtgat aaaccatcgc ggttaatgac agcagaaggt tctttgtcgc tccccatgga 1020
 ccaggcctgg tgcacagtgg gaccctccat ggccctctgg tggggggatt cggggggata 1080
 aagtgaggat tgtgcagaac tgaaaaaaaa aaaaaaa 1117

<210> 99
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<400> 99
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 attgaagctg ctggcccagc atgtggtgcg cgagcccagt tgctgtggtg gccttttgcg 120
 ccgggctttt ggtctctcac ccggtgctga cgcagggcca ggaggccggg gggcggccag 180
 gggccgactg tgaagtatgt aaagaattct tgaaccgatt ctacaagtca ctgatagaca 240
 gaggaggttaa cttttcgctg gacactatag agaaagaatt gatcagtttt tgcttggaaca 300
 ccaaaggaaa agaaaaccgc ctgtgctatt atctaggagc cacaaaagac gcagccacaa 360
 agatcctaag tgaagtcaact cgcccaatga gtgtgcatat gcctgcaatg aagatttgtg 420
 agaagctgaa gaagttggat agccagatct gtgagctgaa atatgaaaaa aactgggact 480
 tggcatcagt tgacctgcgg aagatgagag tggcagagct gaagcagatc ctgcatagct 540
 ggggggagga gtgcagggcc tgtgcagaaa aaactgacta tgtgaatctc attcaagagc 600
 tggcccccaa gtatgcagcg acacacccca aaacagagct ctgatctcca atgccagcac 660
 atttgtgact tgtaattaga gagaaaagtg actctctagg atatggacat gttgattaag 720
 gataactggg aatgcatcat atttggtctc atgctttttg tgttggtatt attcctcaga 780
 attttgttac gtgggtttat gagtgaact aatactactg ataacttaca tttgcagtgt 840
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 gcctgtctcc taaaagtgc ctactgacaa attgatggag taaattgatt ccaagaaaga 960
 agaaggcatt cagagactcc tctctggatg caattttaaa atatatgga ctaaaacaaa 1020
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 tttttcaagt ga 1092

<210> 100
 <211> 1450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1374)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1415)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1418)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1426)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1439)
 <223> n equals a,t,g, or c

<400> 100
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 ctggggtagg cccaggagg agacaccccc aaccctatc cgtctgtcc tggagaaaag 180

agactgccct	tccatgcccc	tgagtgaggg	gcctggggcc	caggctgcct	gtgttcccca	240
agggcaaggg	tctctctgtt	gaggaggagg	ggcctgtcag	ccacaacttc	tttcctcctg	300
agcgccccat	ctccctctct	gcaccctgca	attcccaccc	ctccgtattt	atttccttgg	360
ccccgccgac	agtccctcct	tgtctgtctc	cgggattcag	gcctccctcc	ctgacatgga	420
gagtaacctg	tctggcctgg	tgctgtctgc	cgggctgggtg	cctgcgctgc	cacctgctgt	480
gaccctgggg	ctgacagctg	cctacaccac	cctgtatgcc	ctgctcttct	tctccgtcta	540
tgcccagctc	tggctgggtc	ttctgtatgg	gcacaagcgt	ctcagctatc	agacgggtgt	600
cctggccctc	tgtctgctct	gggccgcctt	gcgtaccacc	ctcttctcct	tctacttccg	660
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cgtctgcctg	cagttcttca	ccttgacgct	tatgaacctc	tactttgccc	aggtggtggt	780
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gttcgtcatc	tgcgcgctgt	ctcttgctgc	ctgcctctgc	ctcgtcgcca	ggcgggcgcc	1020
ctccactagc	atctacctgg	aggccaaggg	gaccagtgtg	tgccaggcgg	ccgcgatggg	1080
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ggacctgggtg	aatgacctgg	ggaacaaagg	ctacctggta	tttggcctca	tcctcttcgt	1260
gtgggagcta	ctgcccacca	ccctgctggt	gggcttcttc	cgggtgcacc	ggccccccaca	1320
ggacctgagc	accagccaca	ttcctcaatg	ggcaaggctc	tttgscctcty	gggnccctact	1380
tcttttgacc	ggggcttggg	cacttgkga	aratnrangg	gcttgnttct	tgggaaccna	1440
aaccggggtg						1450

<210> 101

<211> 764

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (636)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (641)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (743)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (764)

<223> n equals a,t,g, or c

<400> 101

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cttgctgcct	gcctctgcct	cgtcgccagg	cgggcgccct	ccactagcat	ctacctggag	180
gccaaagggga	ccagtgtgtg	ccaggcggcc	gcgatgggtg	gcgccatggt	cctgctctat	240
gccagccggg	cctgctacaa	cctgacagca	ctggccttgg	ccccccagag	ccggctggac	300
accttcgatt	acgactggta	caatgtgtct	gaccaggcgg	acctggtgaa	tgacctgggg	360

aacaaaggct	acctgggtatt	tggcctcatc	ctcttcgtgt	gggagctact	gcccaccacc	420
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acgaagacca	ctcctctgtc	tctccagtgc	agacagcgca	cacacagctt	atcaccaaac	720
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<210> 102
 <211> 880
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (737)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (877)
 <223> n equals a,t,g, or c

<400> 102						
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atgggaggaa	tgatcatcgt	cctgctcatc	tgcattgtct	ggtttcctct	tctcttcatg	120
tctttgatca	aatctgtggc	tggggctcatc	aaccagcccc	tggacgtctc	cgtcacaatt	180
accctgggag	ggtatcagcc	tattttcaca	atgagtgtcc	aacaaagcca	gttgaaaatt	240
atggaccagc	agagctttta	caaatttata	caagcttttt	ctagggacac	cgggtgctatg	300
caatttctgg	aaaattatga	aaaagaagac	ataacagtag	cagaactgga	aggaaaactca	360
aatttcttgt	ggaccatcag	cccacccagt	aagcagaaaa	tgatacacga	actcctggac	420
cccaatagta	gcttctctgt	tgttttttca	tggagtattc	agagaaaactt	aagtctgggt	480
gcaaaatcgg	aaatagcaac	agataagctt	tcttttcctc	ttaaaaatat	tactcgaaag	540
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gaaaagattt	atccatatta	tgtgaaagca	cctagtgatt	ctaactcaaa	acctataaag	660
caacttttat	ctgaaaataa	ttcatggrra	ttaccatcat	ttgkccarag	mcatacacta	720
aattaacagt	gagtggnggg	ttttaactga	tggaaaccgat	tccatcgact	ttagcctgga	780
cggggccttat	gcaagcagcc	ccagntgggtc	tgtgcatgat	aggatattct	atgctggatg	840
gaatgccgat	ttagggatta	tctagtgaag	tcagggnatt			880

<210> 103
 <211> 1321
 <212> DNA
 <213> Homo sapiens

<400> 103						
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ggacttctag	ttttcctcac	ccctattgcc	ttcatccttt	tacctccgat	cctgtggagg	120
gatgagctgg	agccttgtgg	cacaatttgt	gaggggctct	ttatctccat	ggcattcaaa	180
ctcctcatte	tgctcatagg	gacctgggca	ctttttttcc	gcaagcggag	agctgacatg	240
ccacgggtgt	ttgtgtttcg	tgcccttttg	ttggctcctca	tctttctctt	tgtggtttcc	300
tattggcttt	tttacggggg	ccgcattttg	gactctcggg	accggaatta	ccaagggatt	360
gtgcaatatg	cagtctccct	tgtggatgcc	ctcctcttca	tccattacct	ggccatcgctc	420
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a						1321

<210> 104
 <211> 1558
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1542)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1550)
 <223> n equals a,t,g, or c

<400> 104						
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cgtattctcc	acactcacca	caagtggctg	ggtgtgactt	gacacggtgt	gaaagtggag	180
gggcgcgagc	actcagtata	cagcgagcag	cattgggtgg	cctagaaaat	tactacaaag	240
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agttctatat	ttgtggcttt	attaaaaaaa	aaaraaaaaat	atatagagag	atatatatct	1020
atgccagagg	ggtgtctttt	ttaaaaattc	ttcttcattg	ctgactgaaa	ctggcagatg	1080
attgaccagt	atcctttgac	catctgcact	ttatttggaa	ggaagcaggg	gctgtccacc	1140
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ccttacaact	agttcctgcc	tttcgtccag	taccaagtc	cccgttgctt	ctggtcagcc	1320
cacttgtaga	cttcacgggg	acacatcttt	attctgtttc	aggaaaccag	tcacracacg	1380
tccacatatg	tatttgtgta	tggttaatgtc	cagtatcaca	tcacccatga	aagtcgtggg	1440
cagttcarga	gatacctgsc	ttcgtctttg	ktctttgttg	ccttaggttc	ttcagagaaa	1500
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<210> 105
 <211> 2079

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1603)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1918)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1920)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1976)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1980)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2017)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2020)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2027)
 <223> n equals a,t,g, or c

<400> 105
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<210> 106

<211> 3144

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3135)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3138)

<223> n equals a,t,g, or c

<400> 106

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<210> 107

<211> 843

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (671)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (695)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (841)
 <223> n equals a,t,g, or c

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 tttggaagtt ggttaattca ttgggaaggc ccttctgggt ttttcaattt tgggggaagt 780
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<210> 108
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 108
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 aatcttagtt tttatatagt ccaactcatg tactctgctt ccgtcattaa gaattcatag 180
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 gtctgttctc tgc 613

<210> 109
 <211> 945
 <212> DNA
 <213> Homo sapiens

<400> 109
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 gccaaaggccg cctgtgctga cgaggcccgg agctgtcctt gctgctggca acaaaggatt 180
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 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 110	
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gcaggaggcc	gcttctgggg
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	cggtgtcggc
	caggcgccct
	gctcaagcag
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	cagcccgcag
	tccggggact
	ggggggacca
	agtcacacct
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<210> 111
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (731)
 <223> n equals a,t,g, or c

<400> 111	
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ttgttggtgt	cagataatga
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ggttctgagt	tgagcattgc
tcaatgcttc	tgcagtgtgg
attcaccatc	ctggagggaa
gtaatcccag	tccttagttc
ccakcctgrc	aggatattgg
gtggtggggg	tttcgacccc
tgaggttgca	agaggtgaat
tcccatctca	gtattgttat
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	gaatgacaag
	tcaaaaattg
	tgggttattg
	ttgttatcgc
	caatagtatt
	ttgcacagta
	cagagatgaa
	ggaaacagat
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	gatgatcctg
	ccactctgcc
	actcaccagc
	tatatgacct
	ccagcaattt
	ccatcacctc
	agtttcccca
	tcggcaagat
	ggttgtgggg
	ggagaggaac
	aacagtacag
	aatgctccaa
	aatctasgcc
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	gctcatacct
	ggtcaaagwg
	gacggataac
	ctgaggtcag
	gagctccaga
	aaacccccatc
	tctactaaaa
	atacaaaaaa
	ttacctgggt
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	ccctggagggt
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	gcc
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<210> 112
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (51)

<223> n equals a,t,g, or c

<400> 112

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tcaccacccc	cccttcctca	aggacttaag	ctgactccca	gcacatccaa	gaatgcgatt	480
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<210> 113

<211> 646

<212> DNA

<213> Homo sapiens

<400> 113

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<210> 114

<211> 739

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<400> 114

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ttaaaaaatc	agctcttgta	aaaactaaga	gtgagaactg	actcattatt	gcaaagataa	660
cactaaccta	ttcataaggg	atctgtccca	ttatccaaac	acctcccacc	aggccccacc	720

tttaacaatg ggaatcaaa

739

<210> 115

<211> 529

<212> DNA

<213> Homo sapiens

<400> 115

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accactaatt	attatggcga	ggaagataaa	gaagacatgg	acagaaggcg	gatggctctg	180
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gagtggtag	cctctgtcgg	aagggggcgc	ccacgtcttt	ttaatggtcc	taacacacca	480
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<210> 116

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (691)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (717)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (726)

<223> n equals a,t,g, or c

<400> 116

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tttctcca	tcaaacctat	tttaccacct	ttccttcaaa	gcttgctcct	cttactaatt	240
tctcagtgt	tgctgttgg	gccactat	tctcagagat	aaactttgga	gttctactag	300
gtgcctcatt	tctctcacct	gtcacatcct	gtcagtggcc	aatgatgtcc	attcactgtg	360
tacagcctct	cctcccatta	tttttgccat	cgtcttattt	caagcaattc	ttattacttc	420
cctggacttt	tggagtagcc	ctctaattgg	tttacagtct	ccaattgttt	ttcctaatac	480
atcttataaa	atactgatga	cttttcctaa	aaccaatcat	gcgaaacctc	agcctaaaat	540
tcttcatgga	gtttgattat	ctactgaaga	aaatgcaaac	ttagcgtgac	attccagatt	600
ttcctggtcc	ccgcctacct	ttctaatttt	atctaattctc	tacctttaat	tcttggnnta	660

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<210> 117
 <211> 660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (67)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (71)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (209)
 <223> n equals a,t,g, or c

<400> 117	
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gtttcagaga gttcagggtta atttgtccaa gatcatacna cttgcaagta gagcaatcaa	180
ggttgggtga ttataatatc cacatgctnt ctgtcacgtt gtgttaattc tttgtgtaca	240
tgatcattttc ccattgctta actttgggtta atcttaaaag aaggattgct gaatcaaagt	300
atatatccat ttaaaatgtg acacacattt tcaaactgcc ttctagaaag gttataccag	360
gctagggtga gttgtctcat gcctgtaatc ctagcacttt gggaggctga ggwrrrcgga	420
cagcttgagc tcaggagttc aagaccagcc tgggcaacat ggtgaaacc tgtctctgta	480
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gaggatcgct tgagcctggg agatgaaggt tgcagtgaag ctgagattgc accactgcac	600
cacagcctgg tgacagagtg aggccctgtc tcaaaaaaaaa aaaaaaactcga	660

<210> 118
 <211> 1488
 <212> DNA
 <213> Homo sapiens

<400> 118	
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ggctcacaga tgtcccagct gccatggaat tcattgctgc cactgaggtg gctgtcatag	180
gcttcttcca ggatttagaa ataccagcag tgccatact ccatagcatg gtgcaaaaat	240
tcccaggcgt gtcatttggg atcagcactg attctgaggt tctgacacac tacaacatca	300
ctgggaacac catctgcctc tttcgcctgg tagacaatga acaactgaat ttagaggacg	360
aagacattga aagcattgat gccaccaa atgagccgtt cattgagatc aacagcctcc	420
acatggtgac agagtacaac cctgtggcct ccccagagta tgaagagaac atgcacagat	480

accagaaggc	agccaagctc	ttccagggga	agattctctt	tattctggtg	gacagtggta	540
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tggcaattta	ccagactcta	gatgacgagt	gggatacact	gccacagca	gaagtttccg	660
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agaagttaaa	ggctgtctcc	aagtccctga	actcagcaga	aatagaccat	gtgaaaactc	1380
catgcttggt	tagcatctcc	aactccctat	gtaaatcaac	aacctgcata	ataaataaaa	1440
ggcaatcatg	ttaggaaaaa	aaaaaaaaaa	agggggggccg	ttttaaag		1488

<210> 119

<211> 656

<212> DNA

<213> Homo sapiens

<400> 119

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gccgacaaa	ttgggaacac	gccactgcat	gtggctgctc	gatatggaca	cgagctgctc	180
atcagcaccc	tcatgaccaa	tggcgcagat	accgcccggc	gtggcatcca	tgacatgttc	240
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ggtcagttgt	acagcattgt	gtcttcactc	agcaatgagc	atgtgctttc	agctggggtt	360
gacatcaata	cacctgacaa	ccttggccgt	acctgtcttc	atgctgctgc	ttccggaggg	420
aatgttgaat	gtcttaattt	gctgttgagc	agtggagctg	acttgaggag	gagggacaaa	480
tttggcagga	ccccactgca	ctatgcagct	gctaaccggt	gctaccagtg	tgcagtaaca	540
ttggtgactg	ctggggcgag	tgtcaacgag	gccgactgta	aaggctgctc	tccccctcac	600
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<210> 120

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 120

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gcaccttcta	tcctgaataa	ctagcatgga	aaagtgaata	tatgtgtgag	cagatatggc	180
tataaagacc	tatagctttt	gcactttatg	catatataat	caatcctttc	tagttcagtg	240
aattgacccc	atccacaggc	tgattcatct	ttgtgttaag	gggcaaatga	aacggtatat	300
tatttctttg	cagtctcttc	tcagtcattc	atcaatgtgg	ccagcttata	tactcccaat	360
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tcagtcacag	gatgttctga	cacaccattg	taactttttg	ttagagatga	tcccatttag	480
aaaaagactg	gtagaaattg	gagtgaaggg	aaccctacag	attagcccag	ttctctctta	540
ttttcagctt	tacagacaag	aacaatttaa	atctaaagaa	tttagtagat	tccttcagtg	600
tcacaaagct	gtttcatgaa	agaatcaaga	ttataacctg	gatattctga	ctcctggccc	660
agtgcctttt	cttactttgt	agctacactt	tgaagtaaga	ttcaaactgt	tatccactca	720
attgccttat	tcctgaggat	gtagtgaagg	aagaaaaagt	tttctggaat	tccgtaaact	780
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agtttgtcct	gcttgtgaaa	cattaaaaaa	aggctgtcag	gtttaataar	ctttttaatg	1380
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<210> 121

<211> 1164

<212> DNA

<213> Homo sapiens

<400> 121

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actccacagg	tttgaacctg	gcattctgga	caccagctat	gcctcctcca	tttctcagaa	120
aacctttgat	cttgtgtgtc	tttcttcccta	ctgaaggga	ttgtgggggc	agttcttttg	180
ccttcttgct	gaactttgct	ggaaatagcc	cacaattttt	atcagagggt	agaactgtac	240
attatcagag	agactggaca	ctttatcccc	tagcaaagtg	ggagaagatt	ttaccagctc	300
attccactcc	accctggcct	tccccacccc	cccatcccca	gcagcatttc	catggaaatc	360
cagatggtcg	tgtagtgtta	tggctctctt	gtgatagact	ggccttcata	ttggagagct	420
agggagagcc	cctgggaggg	agagagataa	ggcgctatct	gccttcaatc	agaaccttcg	480
gtttaaaatc	atctaagagt	ctatacttgt	gtgtacatac	gtatttattt	ttattttattt	540
ttatacaatt	ccattggcat	ggtccttcac	cgaccctatg	atttgcactt	tttattttcta	600
tgtgtgccac	acacaatgca	gtattaatgg	caaccaggta	aatattgatt	tatttttttaa	660
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aagaatttgg	aaaatctgat	ggtgtgagca	gcagccgtta	gtatcagggt	ttcccattct	900
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ttgaaatttg	ttgagtgtcc	tataaattgt	cactactttt	cctgatctgt	ataactgact	1080
gcaaagtgtt	tgtttttaca	aaagagaaaa	gaaaagattt	ttaataaaga	gaatttgaaa	1140
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<210> 122

<211> 2793

<212> DNA

<213> Homo sapiens

<400> 122

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cgcgacactg	ctcaagacca	gggtcctgcc	aagcgctagg	agggcgctg	ccaggggcgc	180
tagggaactg	cggagcgcg	gcgccatggg	gccgcgcct	ggggccgggg	tctcctgccg	240
cgggtggctg	ggcttttcca	gattgctggc	atgggtgctt	ctgctggccc	tgagtccgca	300
ggcaccgggt	tcccgggggg	ctgaagcagt	gtggaccgcg	tacctcaacg	tgctctggcg	360
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ccaggactcg	ccgctggagc	ctgtggctgg	ggtcctggta	ccgcccgcag	ggcccggggc	480
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<210> 123

<211> 511

<212> DNA

<213> Homo sapiens

<400> 123

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ccttttattt	ctccagaaca	ttctgcaggt	gagctgggga	agccactgg	ccctggcctc	180
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caagaagcgc	tccctgyggc	ctaatttgag	aaaacaatgg	gcctcaatcc	atattaatga	360
ccctagaggg	accctttgtc	ctcgggtcac	aggctgtaat	cagcggkrct	ccgggrgctc	420
tgccctaatt	tggaaggaca	ggttttatca	tcacccttga	ttcgggtgac	ccaatctgac	480
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<210> 124

<211> 581

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (580)

<223> n equals a,t,g, or c

<400> 124

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tcaaaaaata	aaaataaaaa	aagcagggtga	tgggatgaca	tggagttttt	gttttgcttt	240
gttttgcttt	gttttgcttt	ttgctgcttc	cctgataggc	tatatactgc	tcccttcagc	300
ctctccccga	aaccacaggc	gcccacaa	tgaggccagg	ggtggaacc	ctggccagct	360
agatgatgag	ctgaagggga	ggcaaccttt	agccagcaga	cttgagacat	ctcagtgtac	420
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gtccttaaac	cctggntgaa	gatcccccca	gttggtgtta	cttaagccag	aaggctgggc	540
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<210> 125

<211> 1166

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1163)

<223> n equals a,t,g, or c

<400> 125

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tgccatcaca	gctcagactg	gtgttgggg	agcgtctacc	gtccaccta	accccatgca	120
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gscaagcata	mtccggaaga	aacctgccac	agatggaatg	gcagttcgga	aaacctcat	540
tcctcctcag	cctcctgatg	ttgctagtcc	tcgagtggaa	agctctatgc	ggagtacgtc	600
tgggtcacct	aggcctgcag	gtgccaaacc	caagtctgaa	atccacgtgt	ctatggccac	660
tccggtcact	gtgtccatgg	agactgtatc	caatcaaaat	aatgatcagc	ctaccattgc	720
cgctccctcca	actgcccagc	agccccacc	gaccattcca	actatgattg	cagcagccag	780
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acccatcacc	accattgcag	ctgcaccacc	tccatcagtc	actgtgggtg	gcagtctttc	900
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tgcattgctg	gcaaacaact	tgtccatgcc	tacaagtgac	ctaccacctg	gtgcctcccc	1080
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<210> 126

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (12)
 <223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<400> 126
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 tcactctgaa atttccatac agcaagtatt caataagtgt ttggcagatg gatgaatggg 120
 cagatattat aggttcttac catgttgatt atgaagaagt acaaagtatt cagaataaaa 180
 acactaagca cagtaataaaa ccaaggggtgt gccagtaaat ttaccagta aattataact 240
 ttcaaaaact gacgggttctt aaataaactt taatctctgc actatttccg ggaatwtcac 300
 acatggttat tacagttgat tatttcaggg aggcagttcc tctgctaata atagttgtga 360
 actggctgga cagaggcctg gaagacacca gactttctct tctgaattaa ctccacagtg 420
 ttttggtggt gctcttgccc tgaccrawrt tactcttmta gcctagagta gtggttctca 480
 gctctgactg agcatccaaa tcccccatgg agatttttca aggcataatt atctaaatcc 540
 cactgcccag attatgattc tgtcggctga gtaggggtct atgtgctcac atgttctaaa 600
 aactctagag acatttctga tgcatagcca ggttcaagaa taactatttc aaaagtcacc 660
 cacaggttaa aaaaaaaaaa aaaaaaactc ga 692

<210> 127
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 127
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 gtagctcagg ctcccacagc cctgggtggt ctggctgtgg cctacggctt cacatcaggg 180
 gctctggccc cactggcctt ctccgttctg cctgaactaa tagggactag aaggatttac 240
 tgtggcctgg gactgttgca gatgatagag agcatcgggg ggctgctggg gcctcctctc 300
 tcaggctacc tccgggatgt gacaggcaac tacacggctt cttttgtggt ggctggggcc 360
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 actacctccg ggccccagga ccttgtaaca gaagcactag atactaaagt tcccctaccc 480
 aaggaggggc tggaagagga ctgaactcca cagagtcagg cccagaaagc caaagcttga 540
 cagctccagg tcttctcttg ccacgtcttg gtctccacag aaccacagtg ccttaagatt 600
 cttgatctgc ctcccctag agcaggcctg gggctcctgc aatgtgtgtg ccaacccttt 660
 gtattttggt gagga 675

<210> 128
 <211> 3669
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (199)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2797)
 <223> n equals a,t,g, or c

<400> 128
 tcaaaaatag tgatagcttt gataatcagc tcctagacct agactatccg tctaagaggg 60
 aagctacagg gcaaggctag gtcaccctga tctcctagca gcttatcaaa agaattatat 120
 gggcaagttg gcaaggctcc tgctgtgaac gaaatcatct gtccatctca agatgaagat 180

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gtggagctgg	agtacagaaa	gaccatgaaa	actacatgaa	aatattacta	aaagttggag	360
gcatattagt	catgcctata	gaggatcagt	taacacagat	tatgcgaact	ggacagaaca	420
cttgggaaag	taaaaatata	cttgctgttt	catttgctcc	acttgtgcaa	ccaagtaaga	480
atgataatgg	caaaccagat	tctgtgggac	tccctccctg	tgctgtcagg	aatctacagg	540
acttggctcg	tattttacatt	cgacgcacac	ttagaaattt	cataaatgat	gagatgcagg	600
ccaaggggat	tcctcaaagg	gctccaccca	aaaggaaaaa	aaagagagtt	aaacagagaa	660
ttaacactta	cgtattttgtg	ggtaatcagc	ttattcctca	gcctctagac	agtgaagagg	720
atgaaaaaat	ggaagaggat	awcaaagaag	aggaggaaaa	agatcacaat	gaagcaatga	780
agccagagga	gccacctcaa	aattttactga	gagaaaaaat	catgaagctg	cccctccctg	840
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tgcttactga	taatttcttt	agtcttgaaa	atgtagcatt	tgtaggaggt	taaaagagag	960
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tgtgttgatt	tatagctgtt	tgagatgata	aaagtgaagc	aaagcctgtt	aaatcatttg	3600
aagacttgga	aaattatttt	aaataaacaa	ttacatgtaa	ttaaaaaaaa	aaaaaaaaaa	3660
aatactgcg						3669

<210> 129
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (571)
 <223> n equals a,t,g, or c

<400> 129
 gatcctctta ccttggcctc ccagaatgct gggattacag gtaatgagcc actgcacccg 60
 gcttgtagca ttttttaaaa agttccttca tacaggccca ccactcccag cctcctttat 120
 ccttttgacc acaagattct ctaggcacat cttatatatt tccggcccca gtccctagaat 180
 cagccacttc tccaaggagc cctgattctt tttattagag aatgggtatta gaaaccaagt 240
 tctaggcatt ggggtgtgct gctactggga tgttgtggct tgtaggacct ttcagctgac 300
 tgagcaaggg atgtacatgt atgtatacta aactaagttt ttctgtatgc agtcattctgt 360
 atctatagga agctaaacat gagttgatgt ttccaattct atccattacc actctatcca 420
 ttctagcctt cttccttttg ttatctgtca cctctcactt ctacagacag aaaactggct 480
 ttcatcattc accatctttt tacttaattg ttcaaactctg ggatacatat gcagatatag 540
 tggcttcaga atacgtattc ccattggagaa naaccttatc aagtagagaa cagtgcctta 600
 gtgtagtctc tgttgccctt agtcttatag acttcatttc caaagtttct tagcaccccc 660
 cttcccc 667

<210> 130
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 130
 ggggcttgta aatgtgtgtg agtttctgag tgtaggtgcc gaataaatgt ttattgatga 60
 tgccctaccta tgcaatctgc atgggtgctt tatttctatt gcttgtgcat ttgcacatca 120
 taaacacaaa cacacacaca cacacacaca cacacacaca cacaggcttg cttccagagc 180
 catacatgct ctattttcag tttctgagtg tcctaagagg ttatatcctg tctagatgga 240
 cggaccgaga gtacacttgg atttctacca agatatattc tcctaattca ccagaacccc 300
 ccgcttcttg cccatcccct acacagagca tctcacgcca tgcagtgcag ggaagcacat 360
 tctcaaagc tcagctgccc acctctgagc aggtgcaaat ccacccactg catcctccca 420
 tccacctttc tcccctctga cttctgctct cctcctaaat ggtctctttt cccctgect 480
 cctcctcctt cgtttccctt ctccagagag gcagagggtta ggtgtgcttg accagsattc 540
 accaagtgca gacatcaaaa c 561

<210> 131
 <211> 702
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (693)
 <223> n equals a,t,g, or c

<400> 131
 ggcggagctt gcagtgagcc tagatagagc cactgcactc cagcctgggc cacagagggg 60
 gactctgtct caaaaaaaaaa gaaaaaaaaa agaaaaagag aaatctatga catcacttgc 120
 caggctccca tgttcttacc tctgcctgcc ttgccagctc tcctcctgct gtgccttctc 180
 tcagcccatc tctgcacttc ttcccagtc ttcaaacctt gtgcttctct ctgccccag 240
 gccctccagc caggggggtcc caggcaccag aagtgaattc cctcaaccc ccttctgtct 300
 gccctccttc ccacgtgaat cttccttga ttcccttcat ctgggtcagct cccattagta 360
 tgctctcttt gcagcctgcc ctttctcttt tcagtgcgtg atcacaactg tattaggcaa 420
 tcacctgtct aatgtctgcc ttcttaatta gaacttcaaa ttcacgtggg cataacatcg 480

gtctgcctta	ttccttgtgg	tatcctggat	gtcgaacata	acacytggca	cctgggtgggc	540
aatgattaaa	tattttgtgga	aagaatgggc	aaaataaaaag	agtaaaaaaa	aatgagtgc	600
agatacagtg	aagtgatgtg	gcaatattgc	taacttttaa	aaawttgtca	aagagatact	660
gagttcgagg	aagaggaaga	tagaaattat	gcntggaatg	ct		702

<210> 132
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (416)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (422)
 <223> n equals a,t,g, or c

<400> 132	
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agattatgca	ggaatttcta ttggaatact gggctgctat gtctcaggag tattttacgc 120
atattattgt	aataactact ggcgtcagggt gtacttgatc acagtgcctg ctatgatcct 180
ggcagtggtc	tttgcgcaga ttcatcccaa ttacctcacg cagcaatggc aaaggctccg 240
ttctatcatc	ttttgttctg ttctcgggata tggagtgtat cctactcttc actgggtttg 300
gctcaatgga	ggaattgggtg ctccctattgt acaggacttt gcaccccggtg taattgtgat 360
gtatatgatt	gctcttcttg ctttcttatt ctacatttcc aaagtcccag agcggnactt 420
tncagaatca	cttcacacgtg gaatcatasa agggattgta ccactcgtca cgtgggtggg 480
aaa	483

<210> 133
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (37)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (65)
 <223> n equals a,t,g, or c

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<400> 133
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cnaatncttcc aggcaggccc agaattaccg gaaaacaatt ctggacaact aactacctcg 120
gattcaagcc caccaaatat ggcatatcct tgcagtagtg atgttatatt ggtggcatca 180
gtcaacagtg tatgtcatgc agtacagaca tagcaagcct tgtcctgact atgtttcaca 240
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cacctggaca gaatatccga tttgaagatt gtgattgact tccgtaaaac tgtacaactc 360
tccatttggc agctgctaca taataggtgc ttaatgtttg tgggtggaat gaaataactg 420
aatttgaata gaagtttaca tccaaaagtc ataataagac aaataatgaa aaactccaaa 480
gtcactgatt ataaagaata tgcaatccat ttgggattta ttgcatttaa agaaaacaga 540
ttaaaacagt gcttacgtga agtaccaaaa cctaaaataa accaagcaga gtagctgact 600
tgtaagaaaa ctgctctgcc tgggtgaactt cagcatagaa gagtgggctc caccttagat 660
tttccaccag caagaggaca acagtctatc actcttaaac aataaacagg gtaagactga 720
aaaaaaaaaa aaaaaaaaaa aaactcga 748

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<210> 134
<211> 652
<212> DNA
<213> Homo sapiens

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<400> 134
gcccgcacct ggggctctcc gctcgttagc gcgcccaggg cgcctcctcg gcccagagagg 60
gaccgcgccg cggggcctgg ctggctcagg gctacctcct tccgcctagg accccccctt 120
cggtgactcc cgattccctg tcctaggctg cggtgccccg ggaggcgggt cgccagagta 180
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ttcccacaca cttcctatga ggtggcgaaa gccattatgc ctatggtgtc tgctcacaca 300
gggggaaact gagggccagg caggacagcc ccttgccctg ggtgggggct gggttgtcct 360
taggcctgtg acttsacctm tacagcacc cctgtgtggac cctctccctg ccmccgccag 420
gccagagtcc tgcagccagg cccagaccyt ggcctgtccg tccgggggatg ctggacagta 480
ctcctccctc cagccctcat aagtcatkgt cattcggats tgcatttccc cagccccctc 540
ccttctaast ggggggcact gtggccact gtgccccttt ctcttcccat tccttcccc 600
tacaccatt ccagacatcc cagagttaac aaaacccaaa aaaaaaaaaa aa 652

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<210> 135
<211> 3006
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (2700)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2711)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2808)
<223> n equals a,t,g, or c

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<400> 135
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gtatgatgtc atgactcatt tgtaacagat ccagcctcag ggacagccct gtaaggcagc 120
aagtggggct ggctccaaat gggatatgagt ctcagaatct ttggtaaggc agaactgaac 180
tgggctgaga ggtgggtctta aggcctgggc aggcctctatt ctctctggac tggctgcagc 240
ctgcagtcta ggagaggccc agtacagcct ggagctcctg agccttgtca acaggcagtg 300

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agcccagagc	tgcttgaaag	ctgtcgggtg	gctgttttggc	caggaacgtc	aggagcagca	360
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ccagggcgct	cacagccagc	tccttgggcc	ggggactgct	gggggttctc	agaagctgca	2040
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atccgagcga	gaggcacatc	ttcagtgtct	aggtagggag	ccatggtggt	cagagtgcgc	2940
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ctgtgc						3006

<210> 136

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<400> 136

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ggtccgtggc	gttctggggag	ctgctgacag	cgcctctgga	gcaggtggca	gatgacagcc	120

tttatgagtt	cctggat	gtggatgcca	ctgaccgata	cagaagcctg	tgggtctgga	180
gggtgctggg	catgtcggca	ggcgtgtgtg	gcatacacagc	cttgggtggg	cagctggact	240
gcttcctgat	gaccagtggc	ccccgagg	tggtccactt	ctatgggtac	tcggtggtca	300
gcaccctggc	cttactggtg	agcattgcct	ttccccattcc	catctgtcag	cagtgggagc	360
ccagctacaa	aagggtcaaa	gcactgtcca	ttgtgggggg	tgacccccac	ctcattctcc	420
tcgcctccac	cactgttttg	gtaggagcca	tcgtcagtag	tgtccagaac	tttctgttct	480
ggcacatgaa	ggaccatggg	agcggcgagc	tggtcatggg	tttctcggtc	gccctcagct	540
tgctggggga	aattctgctt	catccgttca	aagctacatt	gcttaggaaa	ctgtccagga	600
cgggcctsgt	ggggctgggg	ctgagctgcc	tcgtctgggc	gctgctgtac	tactctngcc	660
tgtgagctgg	tggtccgtct	ccccattaag	atctgagtgc	cattagcaac	agagcttttt	720

<210> 137

<211> 463

<212> DNA

<213> Homo sapiens

<400> 137

agggacgtgc	tgggatgtgc	tggccaagcc	ttgctgggtct	gccaccttgt	cctcgcccct	60
gaagggctcc	agtagccagc	gagggccagc	atggcctccc	ccgccccagc	atgcctgggg	120
tctctgcttt	catggactgt	ttgtgggtgg	ggtgaggtgg	tcagtgggtcc	tccttgtgct	180
gtgtctgcct	ggggctgctc	gtgggcaacg	tgggtcactc	cctctgtcgt	ggtgcagctg	240
gcaccatcag	gtgctgttca	aaccctctg	agccccgagc	tgcttgkgat	ctcatttcaa	300
ctccatgcag	cccctctagg	gcagttttat	ttccccattt	tacagatggg	aaaagagaaa	360
ctcagattgc	gtaacatgcc	caaggaagca	ccggycccag	wgtttgyttt	gtttgwtttg	420
sttttgagga	gsagmctctg	tcaccacaggc	tggagwgctg	gag		463

<210> 138

<211> 699

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (656)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (678)

<223> n equals a,t,g, or c

<400> 138

gaatgcggga	ataactgaga	ttagcagaac	tgagctctgg	cagaaggaat	tattcaccac	60
tcttctcgga	gcaccttcca	taccgtgttg	cctaaccttt	ccaagtagcc	tgcatacctgt	120
gccagccta	gttgcacctc	tttgccctca	gatantgact	tttggggcac	tgtacatcac	180

tctcattcgg	catctttttac	ctggtggtgg	tagtgagaga	tagtcgtctt	ctctcttctc	240
tcctcttgtg	ttctgagcca	aggtacgcag	tttctgggtc	acatctccaa	ccagtctcct	300
aaagtgtgtt	gaccaaaggt	gttgctgagt	ttgaacacat	tgcataattt	aattgcaata	360
ggacatgtgg	gtgagcaagt	tagttatttt	gtctctatgg	gacagctttg	ccattctcct	420
tcttgtcttc	ccagtggggc	attctgcctt	ttgttaagca	gtgttctggg	aattatagtt	480
ctgaattcca	ctgacacaat	ctcctcttcc	caccctccgc	tctcctcaaa	cttgccctca	540
tggggctaca	ctaccacaaa	ggcacatctc	tccttagggc	tggwgggctt	tgctggsaag	600
gagaacatga	aagaattgya	tgyasagagy	tccagaagct	tctagacatt	tcctgncntg	660
ttgnttgccg	tgggttttnt	tgaggcacia	tattgttca			699

<210> 139

<211> 950

<212> DNA

<213> Homo sapiens

<400> 139

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cgatcctctc	ccccaccctc	gggcactgct	ccgcctccct	cccggcgggc	tgtccccgca	120
gtgctcccgg	acccggcgag	ccttcggggc	gcgcgtcgct	ggtggtggtt	gaggctctag	180
cgataataaa	tgatagagga	tacaatgact	ttgctgtctc	tgctgggtcg	catcatgcgc	240
tacttcttgc	tgagaccgca	gacgcttttc	ctgctgtgca	tcagcttggc	tctatggagt	300
tacttcttcc	acaccgacga	ggtgaagacc	atcgtgaagt	ccagccggga	cgccgwaag	360
atggtgaagg	gcaaggtagc	cgagatcatg	cagaacgatc	gactcggggg	gcttgatgtg	420
ctcgaggccg	agttttccaa	gacctgggag	ttcaagaacc	acaacgtggc	ggtgtactcc	480
atccagggcc	ggagagacca	catggaggac	cgcttcgaag	ttctcacgga	tctggccaac	540
aagacgcacc	cgtccatctt	cgggatcttc	gacgggcacg	ggggagagac	tgcagctgaa	600
tatgtaaaaa	ctcgactccc	agaggccctt	aaacagcatc	ttcaggacta	cgagaaagac	660
aaagaaaata	gtgtattatc	ttaccagacc	atccttgaa	agcagatttt	gtcaattgac	720
cgagaaatgc	tagaaaaatt	gactgtatcc	tatgatgaag	caggcacaa	gtgtttgatt	780
gctctgctat	cagataaaga	cctcactgtg	gccaacgtgg	gtgactcgcg	cggggtcctg	840
tgtgacaaag	atgggaacgc	tattcctttg	tctcatgatc	acaagcctta	ccagttgaag	900
gaaagaaaga	ggataaagag	agcaggtggt	ttcatcagtt	tcaatggctc		950

<210> 140

<211> 2952

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (199)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2938)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2952)

<223> n equals a,t,g, or c

<400> 140

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cagtgaaccc	acccctttcc	tgccctgcag	cgtaamcatt	ccccagcctc	ctacaggcag	180
aaaaacacct	ccaagctgnc	agctggggcca	ggccccgccc	accaagctgt	tttcytaagm	240
cagcyttccg	agcaggctat	ttttggccct	cgtgacagt	attgatagct	gctggraagg	300
tataaaagca	gcttgccctg	gaaggttctt	cacactgctc	aggggaagagc	ytgctacggt	360
ggactgtgag	actcagtgca	ctgtccctcc	cccagcgacc	ccacgctgga	ccccctgccg	420
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cccttggggt	tgagacaaaa	cacaagggtc	ttgtttat	ttgagggcaa	ttcccagcct	600
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ataaccctgt	tttatggatg	ggtaagtgg	ggcctggaga	ggtggccttg	ccaaaggtcc	780
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tttttgtggc	tatttttaat	tgctttggat	ttgttaaatg	ttttctgtct	tctgttaagt	2820
gtgttttctc	tggagataga	atgtaaacca	tattaaaagg	aaaaagtttc	agacaagcaa	2880
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaancc	2940
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<210> 141

<211> 776

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (631)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (755)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (761)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (768)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (775)
 <223> n equals a,t,g, or c

<400> 141
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 gtgtgtttta gtctttatga ggcctgggtg agtcctttag cagtctcaac gaaaaccaat 180
 gccattcctc cacttttaat ctccctagta ccacaaaact gcttagaaga ctgtttaagt 240
 tcttcagcct cttagctgcc actttttgct tgatttctct cagactgtgt cacttagaaa 300
 tcatcaaata tctcaagaaa gaaagtacct cagattattg gggtttgttt tctgcctgtc 360
 ccttctctgt aagatattag cccttcaatt accagctctc ttagtagcaa tgaagtctaa 420
 gttttgtctt gctagcccca tgagactgcc aaaagcttta cttgcattct ctgcctgttg 480
 gcagctgctt tctgcttggc ttcttcacct ttctccccac actgcttaca aatcagaaaa 540
 agtctcaaga ataaaagcaa aataaatggt tgggctcacc ttactgagtt tctctcctct 600
 cataaatctt gractcttca gtcttggtg ntttggtagc tttccaatgg cttyacatgg 660
 acacttccca accccggccc cagcatctgg cytttcttgg aagtctcaac taagcctggg 720
 tctggctata agctgggtaa caatctctgg gaaangggcc nattttcnng ataana 776

<210> 142
 <211> 702
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<400> 142
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 agaagtgtta ctagacctgc cactgctacc tacagtgagc cccattctgc acacagaggc 180
 tgcggactcc tttttcccaa tcatagacca gaatgcttgt gaaagaagat gtggctgttc 240

tcagagtttg	agctctagga	tcggaagaac	tcattctgtat	cacatatgat	ccagctgaaa	300
gtccctacaa	actgggccct	ctgtgtcttt	agaagcagct	tccaagggca	ggaagacttc	360
cagagtgcag	gactgagcgt	gctgctaate	ttgttctggt	cgagagactg	atgagagaga	420
caagaattat	ggcgcgagaa	aagcagcagc	agcagcagca	agtctgcaga	ggggaatgcc	480
aaactcgcta	ctgggtgttt	ttttttgttt	tgttttgttt	tgttttgttt	tgktttgttt	540
gatacagagt	ttcactctgt	cacccaggct	ggagtagagt	ggtgccatct	cagctcattg	600
caacctctgc	cccctgggtt	caagcaattc	tcctgcctca	gccttycgag	tagctgggat	660
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<210> 143

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<400> 143

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tgtgtaagt	tatcatgact	ttctataaca	cgccttgta	tgactcttc	taccctgcta	180
gaattggagt	ctggcctcag	ctggttccta	ccagcagtac	tgccatcacc	tcattcctcat	240
ctgccccatc	tggtgtttts	gaaccacttg	tgctctctga	aatgcatatg	ttgaagtcc	300
aaccacctgt	gcctcagaat	gggactatgt	ttggagaaaag	ggttttaaaag	agggtacttaa	360
agwtaaata	gatcattact	gtgaaccctg	atccaaattg	acttatgcc	ttataagaaa	420
aggaaaattg	gccacttaca	ctcacagagg	aagaaatcat	ttgaagacac	agagagaaga	480
gggccgagga	gagaggctc	agagaaacca	acccaatgac	atttcgtctt	ggatttccag	540
cccccagaat	tactggaaaa	tacatttttc	ttgtttaggc	cacccaatct	gtactacttt	600
gttatggcaa	ccctagcaaa	ctaattgcagt	caccaaccca	gggtgaaaat	gggacattcc	660
caactctagc	tcttaggcca	agcttatattg	taatagattc	ttgttttcaa	aggatataga	720
tattgagatt	ctcaatgtat	ttgttaaaat	acattgtttc	ttgttaaaaag	caaaaaaaaaa	780
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<210> 144

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (535)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (537)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (564)
 <223> n equals a,t,g, or c

<400> 144
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 ttagtagaga cgggggtttt ccatgttggc caggctggtc tcgaactcct gacctcacat 180
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 ccaggcttac ctctttgtac ctattttgtt gaagctgaac tgaggcctgg ggtgcttgca 300
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 gatgataaat atctaataca agttcgatga tagatatcaa attatattaa taaatatcaa 420
 ataacatcsa ttgtaaatat cnaataaaaa ttagattctt ttaatttttt taaagacaca 480
 gtgncaggtt ctgttgccca ggctggagtm cagtggcacg atcatagctt actgnanctt 540
 gaactccna gcttaagcca tctnca 566

<210> 145
 <211> 1939
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 <213> Homo sapiens

<400> 145
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 accaggcctg gagactggcc atctggctcc gtgcccgctt cgtcctcaca ttaccccgctc 240
 ctctgccac ccaccccaa gatgccactt ggggtgtctgg ggtcttgggg tgccccaga 300
 agtcttatac ctgccaccct cccctacccc aggcctcca ccaactaagc cagctgccac 360
 ygtgtactcg gtccgggacc cttggcgaca gaagacagcc tccgagagcg cgggctccaa 420
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 gcctgacctg gctgcaagca cagggtgttg tttttggggg aagggatgtg tcggggctcg 660
 ggccctggcc tcagggttct ccagcaaacac ctagggtgag gaggcagctt ccgctaggcc 720
 acatcattgg ctacagctcac gggactgggg ctctgacgtt ttagggcggr ctgtggcatt 780
 gaggggcagg gcttggccag tgctcttggc gtccctctggg ttccagctgt ccctgtagcc 840
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 ccgccgagca tccacgttga gcaccgcat gatgtggtag ggcacatagg agctggcgta 1080
 gagggccaca ccactggcca ccaacgctgc cacacgcagc ttctcggcca cagtcatgcc 1140
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 caagaagttg gcagggcagg acttggcacc cgagacgttg gctgccatgc tcccggtgccg 1860
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gtggggccctg ccccagccc

1939

<210> 146

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (128)

<223> n equals a,t,g, or c

<400> 146

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ctactccaag	cacagtcatt	cctccaaagt	gctgggttcc	tcctggccca	gccggggcca	120
ttcnttantg	ggcattattc	ttgcaagtgt	gagagccaga	gaggggcatg	tgtagtatcc	180
atgtcacaaa	acagggctcc	atcctccttt	gtgtggtttc	tgtgtctagc	atgtcatctt	240
ccttcctgcc	cctctgcaac	tgaggaattt	gctgtcttta	tacccaagta	tcacagcagc	300
agaatggggg	ctgccccatg	ccatgtcctc	ggtcatggtg	gtatcaaagg	caacacctgc	360
caggacaatg	ctggttatga	tttctgccgt	ccctggggac	tggcctcatt	ccttaagagg	420
caagattaaa	aaaaaataaa	aagccaggca	cgagggtcca	tgcctataat	cccagcactc	480
cagcactttg	ggaggccaaa	gcggaggatt	gcttgaactc	aggagtccra	gaccagcctg	540
ggcaacatag	cgagacccca	tctctacaaa	aaatttaaaa	atgaggcagg	tatggaggta	600
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<210> 147

<211> 2032

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> n equals a,t,g, or c

<400> 147

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catgtcgcgg	gcctcgctgg	gactccctgg	gagatgaggc	cgcgaggctc	cccgccgctc	180
ctggtggtgc	tcctgggctg	ctgggcctcc	gtgagcgccc	agaccgatgc	caccccggcg	240
gtgacgacag	agggcctcaa	ctccaccgag	gcagccctgg	ccaccttcgg	aactttccccg	300
tcgaccaggc	cccccgggac	tcccagggtc	ccaggggcct	cctccggccc	caggcctacc	360
ccagtacagg	acgttgctgt	tctctgtgtc	tgtgacttat	ccccagcaca	gtgtgacatc	420
aactgctgct	gtgatcccca	ctgcagctcc	gtggatttca	gtgtcttttc	tgctgtctca	480
gttccagttg	tcacggggca	cagccagttt	tgtagtcaaa	aagcagtcac	ctattcattg	540
aattttacag	caaaccacc	tcaaagagta	tttgaacttg	ttgaccagat	taatccatct	600
attttctgca	ttcatattac	aaactataaa	cctgcattat	cctttattaa	tccagaagta	660
cctgatgaaa	acaattttga	tacattgatg	aaaacatctg	atgggtttac	attgaatgct	720
gaatcatatg	tttccttcac	aaccaaactg	gatattccta	ctgctgctaa	atatgagtat	780
ggggttcctc	tgcagacttc	agattcgttt	ctgagatttc	cttcgtccct	gacatcatct	840
ctgtgcactg	ataataaccc	tgcagcgttt	ctggtgaacc	aggctgttaa	gtgcaccaga	900
aaaataaatt	tagaacagtg	tgaagaaatt	gaagccctca	gcatggcttt	ttacagcagc	960
ccggaaattc	tgagggtacc	tgattcaaga	aaaaagggtc	ctatcactgt	tcagtccatc	1020
gtcattcagt	ctctaaataa	aacgctcacc	cgacgggagg	acactgatgt	gctgcagccg	1080
actctcgtea	acgctggaca	ctttagcctt	tgcgtgaatg	ttgttcttga	ggtaaagtac	1140

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cttatttcca	ctcggttac	ttttgtggat	gtgtctgcac	ctgcagaggc	aggcttcaga	1860
gctccaccag	ccatcaatgc	caggctgccc	tttaacttct	tcttcccgtt	tgtttgacaa	1920
tgctcagatg	catcagttcc	ttaatatata	cgtgaaattt	gaaaactgta	cattcgggtga	1980
gattaaattt	tatatacaac	tarmaaaaaa	aaaaaaaaaa	aaaggtcgac	gc	2032

<210> 148

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (965)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1026)

<223> n equals a,t,g, or c

<400> 148

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cagcctcaga	tacttcac	ccatgggtggg	tctcttctcc	aaaccaggac	tgcttccctg	180
gtatgccaga	aatccaccag	gatggtcaca	gctctttctg	ggcacagtat	gtaagggaga	240
tttccaccgt	gtgatagcca	cgaatgtca	gaaaggacaa	aaaagtcaga	agaaaccaag	300
ccatcttgga	ccactagatg	gttcctggca	ggaaaggctg	gctgatgttg	tgacaccact	360
ctggagggttg	agctatgaag	aacagctcaa	ggtgaaattt	gcagctcaga	agaaaatttt	420
acaaagacta	gagtccttaca	tccaaatgct	caatggagtc	agtgtgacaa	cggctgtacc	480
caaactctgag	aggctctctt	gtcttctcca	tcctattata	cccyctcctg	tcatcaatgg	540
ttaccgaaat	aagtccacct	tctctgtgaa	ccgagggtcca	gatggcaatc	caaagactgt	600
gggggttctac	ctgggaactt	ggagagatgg	gaacgttgct	tgtgtgcagt	ctaatcatct	660
gaaaaacatc	cctgagaaac	acagtcaagt	ggcgcagtag	tatgaagtat	tccttcgaca	720
gtctccattg	gagccctgcc	ttgtatttca	tgaaggtgga	tactggcgk	agctcacagt	780
ccgcaccaat	agccaagggc	acacaatggc	tatcatcact	ttccatcccc	agaaattaag	840
tcaggaggag	ctccatgttc	agaaggagat	tgtaaaggaa	tttttcatca	agaggtcctg	900
gagcagcctg	tggcttgacc	tcactttact	tccaggaaag	taccatgacc	cgttgcaacc	960
atcancagtc	tccttatcaa	gcttctgttt	ggggaacctc	catcttttga	agaacttctg	1020
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<210> 149

<211> 701

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (691)
 <223> n equals a,t,g, or c

<400> 149
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 agcaaactgt caggaaatgt ccaacacaaa tggcagtgc atcacagaat tcattttact 120
 tgggctcaca gattgcccgg aactccagtc tctgcttttt gtgctgtttc tgggtgttta 180
 cctcgtcacc ctgctaggca acctgggcat gataatgtta atgagactgg actctcgcct 240
 tcacacgccc atgtacttct tcctcactaa cttagccttt gtggatttgt gctatacatc 300
 aaatgcaacc cgcagatgt cgactaatat cgtatctgag aagaccattt cctttgctgg 360
 ttgctttaca cagtgtctaca ttttcattgc ccttctactc actgagtttt acatgctggc 420
 agcaatggcc tatgaccgct atgtggccat ataagaccct ctgcgctaca gtgtgaaaac 480
 gtccaggaga gtttgcattc gcttggccac atttccctat gtctatggct tctcagatgg 540
 actcttccag gccatcctga ccttccgcct gaccttctgt agatccaatg tcatcaacca 600
 cttctactgt gctgacccgc cgctcattaa gctttctgtt gtctatgcaa gacatgcatg 660
 tmattstgct gaactctcag tcctacatcg ntgggccagc t 701

<210> 150
 <211> 617
 <212> DNA
 <213> Homo sapiens

<400> 150
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 tgcttctctg cttctccatc ttctccacag aagggaagag gcgtcctgcc aaggcctggt 120
 caggcaggag aaccaggctc tgctgccacc gagtccctag ccccaactca acaaacctga 180
 aagccttcac agcagtgagc tgcaatgttg gagggcttca tctcgggctg caaggaccct 240
 gggaaagtgc cagaactcca cgtccttgct tcaattgtgc catcaacttt cagagctatc 300
 atgagccaac ctacccccac agggcctcag tcgccaccat gtgggcctct ccagtgcaaa 360
 ccaccgagca ttccaccatg accggtcaca gctacaaatc cagagaccat caatcctgct 420
 agagtgcagg gtggcaagca cccaagggtg gctgaccaag actgcagagt ctctccatc 480
 ttcaggtcca ttcagcctcc tggcatttaa ctaccagcat ccagtggkcc ccaaggaatc 540
 ccttcctagc ctcttgacat gagtctgctg gaaagagcat ccaaacaac aagkaataaa 600
 taaataaata aactcaa 617

<210> 151
 <211> 881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (869)
 <223> n equals a,t,g, or c

<400> 151
 gccacgcgt ccgcacagct cccttcccag gacgtgaaaa tctgccttct caccatgagg 60
 cttctagtcc tttccagcct gctctgtatc ctgcttctct gcttctccat cttctccaca 120
 gaagggaaga ggcgtcctgc caaggcctgg tcaggcagga gaaccaggct ctgctgccac 180
 cgagtcccta gcccacactc aacaaacctg aaaggacatc atgtgaggct ctgtaaacca 240
 tgcaagcttg agccagagcc ccgccttttg gtgggtgctg gggcactccc acaggtgtag 300
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gcagcctcct	gtctccctt	tcagccttca	cagcagtgag	ctgcaatggt	ggagggcttc	420
atctcgggct	gcaaggaccc	tgggaaagtt	ccagaactcc	acgtccttgt	ctcaattgtg	480
ccatcaactt	tcagagctat	catgagccaa	cctcacccca	cagggcctca	gtcgccacca	540
tgtgggcctc	tccagtgcga	accaccgagc	attccaccat	gaccggtcac	agctacaaat	600
ccagagacca	tcaatcctgc	tagagtgcag	ggwggcaagc	acccaagggg	ggctgaccaa	660
gactgcagag	tctcctccat	cttcagggtc	attcagcctc	ctggcattta	actaccagca	720
tccagtgggtc	cccaaggaat	cccttcctag	cctcctgaca	tgagtctgct	ggaaagagca	780
tccaaacaaa	caagtaataa	ataaataaat	aaactcaaaa	aaaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaagggcgg	ccgntctana	ggatccaagc	t		881

<210> 152

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (531)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (551)

<223> n equals a,t,g, or c

<400> 152

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cggctgggaa	caccaccctg	gccccgaacg	tgactacagc	ctcgtctcca	ccgcccacca	180
ccacgacagt	cccgggtgtca	ccgacgactc	tctcgccgct	gccgggtcac	actccagcac	240
cagatatctg	tggaagccga	aacagttgtg	tttctgtgtg	tgatggtaat	gctacctgct	300
tttggataga	atgtaaaggt	aaaagctact	gttcagataa	ttcaacagct	ggtgattgca	360
aggtgggtgaa	caccacagga	ttctgttctg	ctaaaaccac	aactctgcct	tccactacta	420
caacttccac	cacagntact	acatcaggta	caactaatac	cactctatct	ccaactatac	480
aacctacncc	gaagtctacc	tttgatgcan	gccagtttca	ttggaggaat	ngcccttgct	540
tgggtgtgca	ngctgtaatt	ttctttctct	attaat			576

<210> 153

<211> 637

<212> DNA

<213> Homo sapiens

<400> 153

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ggcatgagcc	gctgcacctg	gccttcattt	agtttctttc	tttcttcctt	tctttctttt	120

tttagatgga	gtctcgctct	gtcagccagg	ctggagggca	gtggcgatgat	cttggctcac	180
tgcaacctcc	gcctcccagg	ttcaagcgat	tctcctgcct	cggcctccca	aagtgctggg	240
attacaggca	tgagccgctg	tgctgacgtt	catttggttt	ctataatcac	caaagcccat	300
ctgggtctcat	ggcccttgca	gatgaatatc	ctcccttaga	acacatcttc	ccaagagtt	360
caccctgatg	gcaacttctc	atccattagg	cctcagcttt	aatgtatcat	cttcagggat	420
gctttcactg	tccctcccct	ccagtgtaat	ctagatccct	gtctctatta	cccagcactg	480
tcaacagata	gaaatgttcc	ctatctgtcc	tgtccaatat	tacagccacc	actgtatgtg	540
gtcagtgagc	acttgaaatg	tgaactgaat	tttaagattc	gatttaatat	taatttattt	600
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<210> 154

<211> 800

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (100)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (150)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (156)

<223> n equals a,t,g, or c

<400> 154

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cccatggatg	ctcctctgaa	gagactttcn	tcattnactg	ccgaggcccc	atgaawcaat	180
gtctgggtasc	caccggwayt	masgaaccgr	aaaaccmaag	ctatatggta	agaggctgtg	240
caaccgcctm	aatgtgcmaa	matgccmacc	tgggtgacgc	cytcagcatg	aaccacattg	300
atgtctcctg	ctgtactaaa	agtggctgta	accacccaga	cctggatgtc	cagtaccgca	360
gtggggctgc	tcctcagcct	ggccctgccc	atctcagcyt	caccatcacc	ctgctaataa	420
ctgccagact	gtggggaggc	actctcctct	ggacctaatac	ctgaaatccc	cctctctgcc	480
ctggctggat	ccgggggacc	cctttgccct	tccctcggtc	cccagcccta	cagacttgct	540
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agctatctca	caaagttgtg	tgaagcagaa	gagaaaagct	ggaggaaggc	cgtggggccaa	660
tgggagagct	cttggttatta	ttaatatgtg	tgccgctgtt	gtgttggtgt	tattaattaa	720
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aaaaaaaaaa	aaaaactcga					800

<210> 155
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (668)
 <223> n equals a,t,g, or c

<400> 155
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 aagaattcgg cagcagctctc tctctctctc cttttttttt acaggggtatt actctatgcc 120
 caggctggag tgcagtagct caatctcagc tctactgcagc ctcaacctgc tggactcaag 180
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 ccacgcccc ccaagattga tttcttctga ggggtctctt cttggccatc ttctgtgtct 420
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 ggtctgctgg tttcactgct ctggaatctg gagtgcgtg attgagctga aggttggatg 600
 ggagggacat gktctcccgt ggaggcgca cgttgcgtgag ttaaggtgg tggagcactt 660
 gatatacanaa atgggtgccc gcgg 684

<210> 156
 <211> 1574
 <212> DNA
 <213> Homo sapiens

<400> 156
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 attttccaaa gctaaaatct gaggcgtggg ctgatggttt ttgaaatcag gattaccca 180
 ggaagaacca ggtcctatta ctaattttcc tgattctgag gctctgaagg cttgtctgag 240
 acacattccg gagacctttg taccagaact tggatgcata gtccacctta ctactgatac 300
 acgcctgagc acccttttagg gcgaggcgcc gcctcctgcc tgcctgctctg tcctcagca 360
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 cgcttggttt ctactgacct ccatgaagat ttcagacttg cagtgcggcc acctggccct 480
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 ctggatggga gagaagtagc gtcccctacc ctacaagtca cacattccgg ggakgggggt 600
 ggggggtgga ggcaggaagt catgggggtg ggggtgggag cacgggaaca gctttcttaa 660
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 gtgcttattt ggaaaccagg tgtgtgagcc gaatgcctgc caggccatgc actcagcaga 780
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 gaagtattac agttgtacag ttcccagctt ggccttggtc tgctcgata aaactttgta 1380
 tgtattttgt atggcataga ttctatatg taatgatgtc ctatgcaaaa agaaaaatta 1440
 acgaaattgt aaattttatt gttttaacgt gtatgcatgt ttagtgacgt ttacattttg 1500
 aaataaaatt tatgattcat taaaaaaaaa aaaaaaaaaa aaaaaaacy cgaggggggg 1560
 cccggaaccc matt 1574

<210> 157

<211> 2050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (878)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1573)
 <223> n equals a,t,g, or c

<400> 157
 ggcacgagtg atgctccagt ggcaggagca actcaagttc atcattgtcc tgagagagag 60
 gagcagcgcg gttctcggcc gggacagcag aacgccaggg gaccctcacc tgggcgcgcc 120
 ggggcacggg ctttgattgt cctggggtcg cggagacccg cgcgcctgcc ctgcacgccg 180
 ggcggcaacc tttgcagtcg cgttggctgc tgcgacggc cggcgggtcc ctgccgaagg 240
 ctcggtctgt tctgtccacc tcttacactt cttcatttat cgggtgatca tttcgagagt 300
 ccgtcttgta aatgtttggc actttgctac tttattgctt ctttctggcg acagtccag 360
 cactcgccga gaccggcgga gaaaggcagc tgagcccgga gaagagcgaa atatggggac 420
 ccgggctaaa agcagacgtc gtcttcccg cccgctattt ctatattcag gcagtggata 480
 catcagggaa taaattcaca tcttctccag gcgaaaaggc cttccagggt aaagtctcag 540
 caccagagga gcaattcact agagtggag tccaggtttt agaccgaaaa gatgggtcct 600
 tcatagtaag atacagaatg tatgcaagct acaaaaatct gaaggtggaa gttaaattcc 660
 aagggcaaca tgtggccaaa tccccatata ttttaaaagg gccggtttac catgagaact 720
 gtgactgtcc tctgcaagat agtgcagcct ggctacggga gatgaactgc cctgaaacca 780
 ttgctcagat tcagagagat ctggcacatt tccctgctgt ggatccagaa aagattgcag 840
 tagaaatccc aaaaagattt ggacagaggg agagctantg tcactacacc ttaaaggata 900
 acaaggttta tatcaagact catggtgaac atgtagggtt tagaattttc atggatgccca 960
 tactactttc tttgactaga aaggtgaaga tgccagatgt ggagctcttt gttaatttgg 1020
 gagactggcc tttggaaaaa aagaaatcca attcaaacat ccatccgayc ttttctggtt 1080
 gtggctccac agattccaag gatatcgtga tgcctacgta cgatttgact gattctgttc 1140
 tggaaaccat gggccgggta agtctggata tgatgtccgt gcaagctaac acgggtcctc 1200
 cctgggaaag caaaaattcc actgccgtct ggagagggcg agacagccgc aaagagagac 1260
 tcgagctggt taaactcagt agaaaacacc cagaactcat agacgctgct ttcaccaact 1320
 ttttcttctt taaacacgat gaaaacctgt atgggtcccat tgtgaacata tttcattttt 1380
 tgatttcttc aagcataagt atcmaataaa tatcgatggc actgtagcag cttatcgcct 1440
 gccatatatt ctagtgtgtg acagtgttgt gctgaagcag gattccatct actatgaaca 1500
 tttttacaat gagctgcagc cctggaaaca ctacattcca gtttaagagca acctgagcga 1560
 tctgctagaa aancttaaat gggcgaaaga tcacgatgaa gaggccaaaa agatagcaaa 1620
 agcaggacaa gaatttgcaa gaaataatct catgggagat gacatattct gttattattt 1680
 caaacttttc caggaatatg ccaatttaca agtgagtgag ccccaaattc gagagggcat 1740
 gaaaagggtg gaaccacaga ctgaggacga cctcttccct tgtacttgcc ataggaaaaa 1800
 gaccaaagat gaactctgat atgcaaaata acttctatta gaataatggt gctctgaaga 1860
 ctcttcttaa ctaaaaagaa gaattttttt aagtattaat tccatggaca atataaaatc 1920
 tgtgtgattg tttgcagtat gaagacacat ttctacttat gcagtattct catgactgta 1980
 ctttaaaagta cttttttaga attttataat aaaaccmcc ttttttttaa aaaaaaaaaa 2040
 aaaaaaaaaa 2050

<210> 158
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 158
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 tgtggcaaga gctggaaagt cccagacag ctctgaggta ccgcctctca tgggctccgt 120
 ggattatctc atggcctgtg tggctgtctg tctttatctc tagtgacatc tctgcttttc 180

tctgccaaaga	tttatccctt	ctctgcagcc	acttgctgtc	cagcttcctt	tctttgtaga	240
atctgcctct	gcccaatacc	tttactttcg	tgtggcctct	ctgggctcct	ccatatcatg	300
acctgkcagc	tcctctttta	ctccttttct	ctctcaagt	tttctcagat	cagagaccag	360
attgcaatga	gagaatcagt	ttggtctggg	agtattttcac	gccaaaaaga	gttggtcacc	420
ctttggatta	tatgcctttg	gttcaggcac	ctacccttgg	tcctggctgt	tggggatgga	480
tggtgactgk	tatgtggcct	ttacaggcct	taggcacaat	aaagctttcc	caggttcagc	540
ctactgagt	ctatggctat	gacctggaca	ttaaactggc	cctcataggt	tcagacctgg	600
ccatggcaat	tgacgaaccc	taccacaggg	ctcttgga			638

<210> 159
 <211> 1332
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (50)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1323)
 <223> n equals a,t,g, or c

<400> 159						
gccgggattt	ncagggtgtra	gccmccatgc	ccagcccttt	tcaatattgn	ttttgaaaat	60
tccatcctat	actgccaaat	ataaatatat	cccaagaaat	taaaatacag	aaaatcaaat	120
tgcaaagaaa	atatggttgc	agaattcttg	caattttaatt	ttagtaaatt	ctttatcttt	180
tttattacca	taccttaaaa	ttgctatgca	catattttct	gtctcagtta	tgtactcaac	240
tagaaattac	ctttacttwa	ctacctgtat	tttattgaaa	tactgtgccc	atcctgcatg	300
gactattttg	cgtcacttat	tttatgaata	tcactatttg	atatgctctt	ttgcaccaat	360
agactcttat	tcaggatatga	cacacagaga	cacaaaatgc	taaattctcc	tttcctgtga	420
ccatggcaga	aactactaat	caatattctt	gggcaaagtt	ggttctcaag	atgctcaagc	480
tctgctgttg	tcataaagca	ttttggttct	cttctgatac	tttttgaaga	ctcatccatt	540
tttcattctt	tcagcaaaca	tgaccatgat	accccatata	gaccagatat	tgtgctacag	600
ttgcgaaaac	aaagaataag	agaggctctc	aagcggctca	acatctcatg	gtgaaaatga	660
gatgctgagc	caccactaac	atgctagctg	ttaagtatgt	ccacttaaaa	gagaacacag	720
gagaaacatc	tcaggcggac	tctgttggcg	tggttgggtg	tgagggaatg	ttgaagagtg	780
gatagaggta	taattaaagg	ctttctggat	ggcgtgggtg	cttatatgag	tagtcccagc	840
actttgggtg	ggattacagc	acttgaggtc	aagagctgga	gatgtgcctg	gccaacacgg	900
tgaaacccca	tctctactaa	aaatacaaaa	attagcagct	gagcgtggta	gtgtggcgcc	960
cgcaatgcc	gccacacggg	aggctgaggc	atgagaatca	cttgaactca	ggagggtggaa	1020
gtctcagcgg	gcggagatcg	caccactgca	ctccagccag	ggtgatgaag	cgagactctg	1080
tcaatcaaac	aatcaatcaa	tcaatcaatc	aatcaaggct	tcccaagggg	gaggaatctg	1140
gcatttttgt	aggcaaagga	aacagcttat	aagatgtgag	agaacacagc	catttttagag	1200
aagtgtactc	gtgccgaatt	cctgcagccc	gggggatcca	ctagttctag	agcggccgcc	1260
accgcggtgg	agctccagct	tttgttccct	ttagtgaggg	ttaatttcgm	gmwggggtaa	1320
tcnccgtatc	at					1332

<210> 160
 <211> 1267
 <212> DNA
 <213> Homo sapiens

<400> 160

cggtctgtttg	gctgctgaca	acatgaagac	ttcctgcgat	gagaacagag	gcacaggtgc	60
cgggccctaca	gccccagaa	cctggactgg	agggggccat	ggggcaccgg	accctggtcc	120
tgccctgggt	gctgctgacc	ttgtgtgtca	ctgcggggac	cccggaggtg	tgggttcaag	180
ttcggatgga	ggccaccgag	ctctcgtcct	tcaccatccg	ttgtgggttc	ctggggtctg	240
gctccatctc	cctggtgact	gtgagctggg	ggggccccga	cgggtgctggg	gggaccacgc	300
tggctgtgtt	gcacccagaa	cgtggcatcc	ggcaatgggc	ccctgctcgc	caggccccgt	360
gggaaaccca	gagcagcate	tctctcatcc	tgggaaggctc	tggggccagc	agcccctgcg	420
ccaacaccac	cttctgctgc	aagtttgctg	ccttccctga	gggctcctgg	gaggcctgtg	480
ggagcctccc	gcccagctca	gacccagggc	tctctgcccc	gccgactcct	gccccattc	540
tgcgggcaga	cctggccggg	atcttggggg	tctcaggagt	cctcctcttt	ggctgtgtct	600
acctccttca	tctgctgctc	cgacataagc	accgccctgc	ccctaggctc	cagccgtccc	660
gcaccagccc	ccaggcaccg	agagcacgag	catgggcacc	aagccaggcc	tcccaggctg	720
ctcttcacgt	cccttatgcc	actatcaaca	ccagctgccg	cccagctact	ttggacacag	780
ctcaccacca	tggggggccg	tcctgggtggg	cgtcactccc	cacccacgct	gcacaccggc	840
cccagggccc	tggcgccctg	gcctccacac	ccatccctgc	acgtggcagc	tttgtctctg	900
ttgagaatgg	actctacgct	caggcagggg	agaggccctcc	tcacactggt	cccggcctca	960
ctcttttccc	tgaccctcgg	ggggccaggg	ccatggaagg	acccttagga	gttcgatgag	1020
agagaccatg	aggccactgg	gctttccccc	tcccaggcct	cctgggtgtc	atccccctac	1080
tttaattctt	gggcctccaa	taagtgtccc	ataggtgtct	ggccaggccc	acctgctgcg	1140
gatgtggtct	gtgtgctgtg	gtgggcacag	gtgtgagtgt	gtgagtgaca	gttaccatcat	1200
ttcagtcatt	tcctgctgca	actaagtcag	caacacagtt	tctctgaaaa	aaaaaaaaaa	1260
aaaaaaa						1267

<210> 161

<211> 476

<212> DNA

<213> Homo sapiens

<400> 161

ggagactcta	gatccagacc	cacatggcac	ggggctgcct	ccctcaggca	gttctcagcc	60
aggcccccac	ccagggcaca	ggctcaggct	gagcgggggtg	gtggatgggc	tggagccggg	120
gagaagggca	gcaaggctgg	ctggccgcag	ccctctgtgg	ctggacacga	cttggcaagg	180
ccgagggatc	tgagggctgg	gctactctcg	agggtgccca	ggttcccagc	ttgctgcagg	240
gaaatgaagg	gggtgccgcc	ctgaacaggc	acatgcctaa	gcaaggattt	gacgcttgga	300
taaagctggc	aaccaccagg	agaagccttt	ttgggatttt	tcaaatacctt	cgycatccga	360
gctgtgatga	tggagtggar	cgtkgcacgg	gccatttgga	gttctgtkkg	ctccatcggm	420
actarcaggg	atttgrackt	caggctgggtg	ggccttgcag	gaagcctgct	ccctgc	476

<210> 162

<211> 1040

<212> DNA

<213> Homo sapiens

<400> 162

tcgaccacag	cgtccgcccc	cgcgctccgcm	gggagtagga	gaatgtcttc	cagaaaaata	60
cataagctag	tttctgttct	gtaaagtgat	atctttcata	cttgaccaa	gttcccaata	120
acttcccaac	cactgttcaa	aagctgtgat	ttttgtctcc	ccttcccacc	ctccagccaa	180
ggagcagccc	tgcccagggg	gcattaggtg	tgggtacccg	gggagcacc	cgttcctgga	240
ccccagtgtt	gcatttctctg	gctgaggaag	ggtggtcatc	ccagctcctg	ccctaccctc	300
tcacttaact	ggagcttttg	gacgcacct	ccacagtggg	aggtggtggt	gggtggcggg	360
ggcggggcct	cacgacagct	tgggtgctgt	aagaggaagc	ccgtggttct	ggctaggctc	420
tcatgtccag	acagcgggga	ccaggggaaa	accagcccc	ttctgtaatc	cccccttcat	480
tcctaccctc	cttctctctc	tgtttagcaa	aggagggcag	ctcacttgga	tgtccttaca	540
acgcccctgg	ccccagggtg	agcaataaga	aaccagaacc	ttgcggccca	gtggcccggg	600
ccagttcagg	ccgcctcccc	ctcctctgce	tggggccatt	gagcccagcc	tccagggcc	660
gggtgcgttt	gcaggccagt	ggccactgtc	cgggctgtga	tggcaccaag	gcaggtggag	720
caccaggtac	cacacagctg	ggcttccac	caggctttcc	cgcggggggc	tcaggagct	780
tctccccagc	gctgctcgga	gtctgcagga	actggccttg	ttctccttag	cccgtcactc	840
catacagtat	taggtgagga	tggatgcggg	cgctgtcctt	gccgggaagt	cactgttgaa	900
gttgcagtgg	cttggttcaca	cctgtgggaa	gagaagtga	gactttctcc	ttgcattaaa	960

aagtctgaac tgtgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaggt	1020
tctagatcgc gagcggccgc	1040

<210> 163
 <211> 621
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (60)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (119)
 <223> n equals a,t,g, or c

<400> 163	
gagnggggnag ctcggggggaa gggncctcgc agagaaacag aagaacatgg gctgtgggggn	60
accttcagca gcccggggtt ccaatcccag ctccctccatg tgggagccaa gcaccccang	120
cagcctttcc cagccttgc tagggccggg ttgggagaat cccacccgc agggctgtgg	180
tgagggttga acggagggtg tgtggtgagg gttgagcggg ggggtgtgtga tgcgtgggtga	240
gggttgagca ataagaaacc agaaccttgc agcctccagg gccraatgc gtttgcaggc	300
cagtggccac tgtccgggct gtgatggcac caaggcagggt ggagcaccag gtaccacaca	360
gctgggcttc ccaccaggct ttcccgcggg ggtctcaggg agcttctccc cagcgctgct	420
sggagtctgc aggaactggc cttgttctcc ttagcccgctc actccataca gtattaggtg	480
aggatggatg cgggcgctgt ccttgccggg aagtcactgt tgaagttgca gtggcttggt	540
cacacctgtg ggaagagaag tgaagacttt ctcccttgc taaaaagtct gaactgagaa	600
aaaaaaaaa aaaaaactcg a	621

<210> 164
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (592)
 <223> n equals a,t,g, or c

<400> 164	
ggagaacags tgacggtctt tccataagtg cttctaagag agatgtgtgg taccgccggc	60
taagtakaca gcaactgagc cctccctccc accccagggy tcccagagca acaggagca	120
gggagcatag gacctggccg sagccaggaa tctacactga ccggctcagc ccatgaagta	180

tcttgggctg	aagtcacagg	atgagactgt	ttgtatctgt	aactgtcctt	gtcatctgtc	240
ttgcagattt	agaagaggaa	tcagaaaagct	gggacaactc	tgagtctgaa	gaggaggaga	300
aagccccctgt	gttgccagag	agtacagaag	ggcgggagct	gacccagggc	ccggcagagt	360
cctcctctct	ctcaggctgt	gggagctggc	agccccggaa	gctgccagtc	ttcaagtccc	420
tccggcacat	gaggcaggta	ggcggcaggg	gcacagcgca	tcaggagctc	aggaggagag	480
ccaatcatgg	gctgtccctg	cccacacgcc	ttgcctctgg	accctccacc	ttcaaaaccc	540
tgcaggaagt	gactgacagc	ctcctcgggt	ggtggctgag	ggcacagggc	gntgggggta	600
t						601

<210> 165

<211> 3337

<212> DNA

<213> Homo sapiens

<400> 165

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atactgtgga	tacttagaga	aattcaaagc	atatatatca	ttggaatttt	ccgaaatccc	180
ttttatccga	aggatgtgca	aactgtgact	gtattctttg	agaagcaaac	taggctcatg	240
aagattggta	ttgtcagacg	gattttgcta	acttttagtat	caccttttgc	catgatagca	300
tttctttcat	tggacagttc	cttacaaggg	ctccactcag	tgtctgtctg	tattggattc	360
acaagagcct	ttagaatggg	wtggcagaat	wcagaaaawg	cyttattgga	gacmgtcatt	420
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aacaactgcc	actttatgta	tactcaacat	tgtcttttct	ccattcgtgt	tggctatcat	660
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ggtgggggtt	ccccgacctt	ttcagagttg	gccaggagca	gcakgcacca	cagcctgtgt	780
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ctggctctgat	gataatattt	ttgatgatga	gccaaactatc	aaaaaagtaa	tagaagaaaa	1440
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tatgcccagt	tccaaaatga	aggagatgag	ctcgttattt	ccagaagact	ggtaccaatt	1740
tgttctaagg	cagttggaat	gttatcatte	agaagagaag	gcctcaaattg	tactggaaga	1800
aattgccaag	gacaaagttt	taaaagactt	ttatgttcat	acagtaatga	cttgttattt	1860
tagtttattt	ggaatagaca	atatggctcc	tagtcctggg	catatattga	gagtttacgg	1920
tgggtgtttg	ccttggtctg	ttgctttgga	ctggctcaca	gaaaagccag	aactgtttca	1980
actagcactg	aaagcattca	ggtatactct	gaaactaatg	attgataaag	caagtttagg	2040
tccaatagaa	gacttttagag	aactgattaa	gtaccttgaa	gaatatgaac	gtgactggta	2100
cattggtttg	gtatctgatg	aaaagtggaa	ggaagcaatt	ttacaagaaa	agccatactt	2160
gttttctctg	gggtatgatt	ctaatatggg	aattttacact	gggagagtgc	ttagccttca	2220
agaattattg	atccaagtgg	gaaagttaaa	tcctgaagct	gttagaggtc	agtgggcaa	2280
tctttcatgg	gaattacttt	atgccacaaa	cgatgatgaa	gaacgttata	gtatacaagc	2340
tcattccacta	cttttaagaa	atcttacggg	acaagcagca	gaacctcccc	tgggatattc	2400
gatttattct	tcaaaacctc	tccacatata	tttgtattag	agctcatttt	gactgtaatg	2460
tcatacaatg	caatgttttt	attttttcat	cctaaaaaag	taactgtgat	tcttgtaact	2520
tgaggacttc	tccacacccc	cattcagatg	cctgagaaca	gctaagctcc	gtaaagttgg	2580
ttctcttagc	catcttaaatg	gttctaataa	acagcaaaaa	catctttatg	tctaagataa	2640
aagaactatt	tggccaatat	ttgtgccctc	tggactttag	taggctttgg	taaagtgtgag	2700

aaaacttttg	tagaattatc	atataatgaa	ttttgtaatg	ctttcttaaa	tgtgttatag	2760
gtgaattgcc	atacaaagtt	aacagctatg	taattttttac	atacttaaga	gataaacata	2820
tcagtgttct	aagtagtgat	aatggatcct	gttgaagggt	aacataatgt	gtatatatct	2880
gtttgaaata	taatttatag	tattttcaaa	tgtgtgtgatt	tattttgaca	tctaataatct	2940
gaatgttttt	gtatcaagta	gtttgttttc	atagacttca	attcataaac	tttaaaaaac	3000
ttttaataaa	atattttcct	tccttttcaa	atatecttct	aatatatgtg	aaaggagcgg	3060
ggttcaccca	ttcatcatgt	gaatattcac	aggaagagca	atgttagggg	aatatgcgta	3120
tgactactaa	agcatatatc	tgactcatta	tgtatcgctt	tcaagtgaat	ttactgcttc	3180
tgaaaaatga	tttaccacaac	aggactacca	gttactagt	tcttaaggta	tatgaactaa	3240
agtcagaagg	agatggaaga	aaatttttat	aatacgatct	gaattttatt	ttcattctct	3300
tcttgcttag	gaacgtttta	cagatacatg	taagggg			3337

<210> 166

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (503)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (504)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (508)

<223> n equals a,t,g, or c

<400> 166

gattatatta	gtcttggctc	ttttagaaac	tagtttgctt	catcactttg	ctggcttctc	60
acagatttct	aaaagcaatt	cccaggctat	tgtgggctat	ggtttgatga	tattacttat	120
aatactgtgg	atacttagag	aaattcaaag	catatatatc	attggaattt	tccgaaatcc	180
cttttatccg	aaggatgtgc	aaactgtgac	tgtattcttt	gagaagcaaa	ctaggctcay	240
gaagattggg	attgtcagac	ggattttgct	aacttttagta	tcaccttttg	ccatgatagc	300
atttctttca	ttggacagtt	ccttacaagg	gctccactca	gtgtctgtct	gtattggatt	360
cacaagagcc	tttagaatgg	tatggcagaa	tacagaaaat	gctttattgg	agacagtcac	420
tgtatcaaca	gtacacttga	tctccagtac	agacatatgg	tggaaacagaa	gcctggatac	480
agggggaacc	cacttcgtga	acnncgtntc				510

<210> 167

<211> 1367

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1339)

<223> n equals a,t,g, or c

<400> 167

gggaggctcc	gcggggcccg	gcgaggagtc	cagagagcca	tggccgccct	gcgtgtcctg	60
ctgtcctgcg	cccgcggccc	gctgaggccc	ccggttcgct	gtcccgcctg	gcgtcccttc	120
gcctcggttg	ctaactttga	gtacatcatc	gcagaaaaaa	gaggggaagaa	taacaccgtg	180
gggttgatcc	aactgaaccg	cccccaaggcc	ctcaatgcac	tttgcgatgg	cctgattgac	240
gagctcaacc	aggccctgaa	gatcttcgag	gaggaccggg	ccgtgggggg	cattgtcctc	300
accggcgggg	ataaggccct	tgcagctgga	gctgatatca	aggaaatgca	gaacctgagt	360

ttccaggact	gttactccag	caagttcttg	aagcactggg	accacctcac	ccagggtcaag	420
aagccagtca	tcgctgctgt	caatggctat	gcctttggcg	gggctgtga	gcttgccatg	480
atgtgtgata	tcattctatgc	cggtgagaag	gcccagtttg	cacagccgga	gatcttaata	540
ggaacccatcc	caggtgcggg	cggcaccag	agactcacc	gtgctgttg	gaagtcgctg	600
gcgatggaga	tggtcctcac	cggtgaccgg	atctcagccc	aggacgcaa	gcaagcaggt	660
cttgtcagca	agatttgtcc	tgttgagaca	ctggtggaag	aagccatcca	gtgtgcagaa	720
aaaattgcc	gcaattctaa	aattgtagta	gcgatggcca	aagaatcagt	gaatgcagct	780
tttgaaatga	cattaacaga	aggaagtaag	ttggagaaga	aactctttta	ttcaaccttt	840
gccactgatg	accggaaga	agggatgacc	gcgtttgttg	aaaagagaaa	ggccaacttc	900
aaagaccagt	gagaaccagc	tgcctctgct	tcacacctct	gcttgagag	gacaagtgca	960
gcctgtcagt	tttagaagca	agtaaatcat	cctcttttca	agagcagtg	ccgtgggtgtg	1020
cagttcctct	ccaattgctg	cggtgctgtg	gcccacctc	tcacggcatg	acagccttcg	1080
tcaccagcc	tgtgagggtc	ctgactggag	caccttctaa	atctaagatt	ctgctgagga	1140
gcccccgctg	gtccctctgg	gcatgctgtg	ctcggacgga	aagcggggcc	tgtgggtcct	1200
tgtgtccctg	ccgctgaaga	atggggctgc	tctgagggaa	acgctgtctc	ttcatacaga	1260
tgctgattaa	agtgatagcg	attcagatta	aaaaaaaaa	aaaaaaaaa	ggattcgaaa	1320
tccaatttat	ggatacctng	acccaagggg	gggcccgtaa	cccatc		1367

<210> 168
 <211> 594
 <212> DNA
 <213> Homo sapiens

<400> 168						
gggaggaaaa	tggcggtcgc	tggagccgcc	gaccaagagg	cttgggagtc	tgtacctttc	60
ccgaccgggc	cactggaagt	tggagcctcc	gccgagtcgc	agacaacgcc	tccgggaggg	120
ccttcctgat	gcgcttgcc	gctccctgg	ctctctgcat	ggggaaggag	tgttcccagc	180
ttgcaaactc	cagctttgcc	tgtgagagga	acaagcgctc	ctgatccaga	aggtgttcgg	240
atggagatgg	cgagttctgc	tggctcctgg	ctctctggct	gcctcatccc	tctcgtcttc	300
ctccggctgt	ctgtgcatgt	gtcaggccac	gcaggggatg	ccggcaagtt	ccacgtggcc	360
ctactagggg	gcacagccga	gctgctctgc	cctctctccc	tctggcccgg	gacggtaccc	420
aaggakgtga	ggtggctgcg	gtccccatc	ccgcagcgct	cccaggctgt	tcacatatc	480
cgggatggga	aggaccagga	tgaagatctg	atgccggaat	ataaggggag	gacggtgcta	540
gtgagagatg	cccaagaggg	aagtgtcact	ctgcagatcc	ttgacgtgcg	cctt	594

<210> 169
 <211> 684
 <212> DNA
 <213> Homo sapiens

<400> 169						
cggacgcgtg	ggtcgccccc	gcgtccgtgt	ttccattagt	gatactgatg	tctcactgtt	60
gttctctccg	agttgacttt	tctgtgcctt	tgtgcatgct	cttatctcct	ctgcttgga	120
tgtccttttc	agcctgtcaa	actccttcaa	aatccagctc	agatgttaca	ttttcttta	180
gcactcctga	ccccaccccc	caaataagact	tagtccagcc	ttcttctggg	ttcccacagc	240
actcagtaca	gtttgaaagg	tcctttataa	yagtcattat	tacatttttc	aaaaataatt	300
tcataattcat	taacctcatt	agattataag	cacctcaatt	atgtagactg	ttttatcact	360
gctgwccag	cacagcacct	ggcacagtta	gctgttcaag	acatctctgt	tgagtgggta	420
aatgaatgag	ttccactcca	ggttcctgtg	tttgkgacct	ccaggggcct	cttctcttcc	480
cttccccctc	tcacgtaggc	tgatgccctg	gtcttccagc	tatgcactct	acctgcctct	540
cgaagctcta	agccgatgtg	tccatcattt	ggctgtttgc	atattctgat	tcattgacatt	600
ctcctgcaca	gtgctggctg	acactctgta	gcccatacata	tctgacttct	ctggccagcc	660
tgtatgccta	ccatcagctc	gccc				684

<210> 170
 <211> 1494
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (345)
 <223> n equals a,t,g, or c

<400> 170
 gaattcttcc tggacttgat ccttcccttc aggttccctc tggcccaggg tgtgtctaaa 60
 aatatcaccg gggagttaga gcctagaatg gggacctcac gactctgcct gatgccttat 120
 tcaactgtgg ctgagatggg atttatgttg caaaacaaag tcctgtttat cctttccctc 180
 cctcttctca aggagaagga tggaaatctct tttggagctg ggagccttcc tgcctttgat 240
 tgggggatgt gtgacacaag cgctccctta gccgcattgg ctggtgtctc actagggtcat 300
 gtacctcaa gtccactggc tctgagccca gccagcact acaanttgcc taggagttac 360
 agtccttggt amctagcctg ccttttactg ttatttagga cccagagca ctttagcctg 420
 tgggtggcag gcttgcagaa actccagttc caacctccag gctgtgtgat tgcctgtcc 480
 ctggggctgg tctaaatgct ccattcattg gcattggctg agttctgccg ggattggcag 540
 cactgcgttc cggctttagt tcccacagtt gctgtgctct tccccgtgt gcagcgcaga 600
 ttcttctctt gtgccctgtg gttgctacga gcgcattggg gagggctggg gtcagcaatt 660
 caagactgtc ttttctatcc tcttccactg ctctttcagc aatatgaagg tactgtgatt 720
 gctcacatga tttttggttc ttatgaagggt gctttttgtg taggtggttg tcagatttgg 780
 tgttcttgca gggaggacaa tcgggtggagg cttctatttg gccatattgc tctgcctccc 840
 attccagctt gtttctattt ttaatttttg ttgcaatgga gtskyytgcc tggccctgaa 900
 taatatttta ataaatcaca aggacttgaa actacaaaat gtatacttag agccaaagtc 960
 accttacttg taagaactgg aaatggggat aatgctctct atggttatgc agcctactct 1020
 ttactaacc tttctggact agatctttga agtgcgctct agctttcctc ctttcttgaa 1080
 gagagcagag atagtgtctc ttttaactgtg gtcatacatg tatgaggaat aacttttagtg 1140
 tgagctgttg gttttaaaga gtcataatatt attctatgca cttttgtaag ttcattttat 1200
 aatgagcaga ttggtcaact gacatttttg attatttcta atacatgtgt tgcttggaa 1260
 aatactgtta atttccagaa atataagtga accttagctt ttctgttggg ggctttttaa 1320
 ctttttatga tgggaaaatg tgtgaatttt ctcttgggaa agtatagact ggagacttag 1380
 ataccagtag atgaattgag gaatttctgt gtagcagttt aatatagaaa agagttagct 1440
 gtccatgagg aagggtctta agaacaacaa taactaccaa aaaaaaaaaa aaaa 1494

<210> 171
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (602)
 <223> n equals a,t,g, or c

<400> 171
 gagaggagag actaaggacg ctaggtgggc agggctcttc acttgagcc tcgaagcgga 60
 ggatccctgt gtcccagccg ggcatggccg acccccacca gcttttcgat gacacaagtt 120
 cagcccagag cgggggctat ggggcccagc gggcacctgg tggcctgagt tatcctgcag 180
 cctctccac gcccatgca gccttccctg ctgaccgggt gtccaacatg gccatggcct 240
 atgggagcag cctggccgcg cagggaagg agctgggtgga taagaacatc gaccgcttca 300
 tccccatcac caagctcaag tattactttg ctgtggacac catgtatgtg ggcagaaagc 360
 tgggcctgct gttcttcccc tacctacacc aggactggga agtgagtag caacaggaca 420
 ccccggtggc ccccgcttt gacgtcaatg ccccgagcct ctacattcca gcaatggcct 480
 tcatcaccta cgttttggtg gctggcttgc gctggggacc caggataggt tytccccagm 540
 cctcctgggg ctgcaagcga gctcagccct ggctgctgac cctgaagtgc tggcatctgc 600
 tnagcttatt 610

<210> 172
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>

<221> SITE
 <222> (594)
 <223> n equals a,t,g, or c

<400> 172
 aaggcattca tttcctccta cgggtggatgc ggacgccggg aggaggagag ccccagagag 60
 aggagctggg agcggaggcg cagagaacac gtagcgactc cgaagatcag ccccaatgaa 120
 catgtcagtg ttgactttac aagaatatga attcgaaaag cagttcaacg agaatgaagc 180
 catccaatgg atgcaggaaa actggaagaa atctttcctg ttttctgctc tgtatgctgc 240
 ctttatattc ggtggtcggc acctaataa taaacgagca aagtttgaac tgaggaagcc 300
 attagtgtc tggctctctga cccttgcaat cttcagtata ttcgggtgctc ttcgaactgg 360
 tgcttatatg gtgtacattt tgatgaccaa aggcctgaag cagtcagttt gtgaccagkg 420
 tttttacaat ggacctgtca gcaaattctg ggcttatgca tttgtgctaa gcaaagcacc 480
 cgaactagga gatacaatat tcattattct gaggaagcag aagctgatct tcctgcactg 540
 gtatcaccac atcactgtgc tcctgtactc ttggtactcc taaaagaca tggnttgccg 600
 gggagggttg ttcattgacta tgaactatgg cgtgcacgcc gtgatgtact ctta 654

<210> 173
 <211> 2046
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (96)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (100)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (113)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (122)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (131)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1986)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1993)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2019)

<223> n equals a,t,g, or c

<400> 173

cctggtattc	aggactgaat	tggaagtctg	agnatcagtg	tggagccata	tctcggctgg	60
caaagccgga	ttgtccgtct	gattatctca	atgtcnagtn	cccacctgct	cgntgtgatc	120
ancactaaca	nggaacaaat	tcaaggacaa	cctgtytttg	agccaggcag	cctcagacac	180
ctgcctgtgg	ccccckctcc	acttctcctg	cccggatgcc	agtgtctccg	gctcagacag	240
aggaagccct	gcagaaagtt	ccatcaggct	gtttccataa	ggatgtgtga	acgggagatg	300
atgcactgtg	ttttgaaagt	tgatcatttta	aagcattttta	gcacagttca	tagtccacag	360
ttgatgcagc	atcctgagat	tttaaatcct	gaagtgtggg	tggcgcacac	accaagtagg	420
gagctagtca	ggcagtttgc	ttaaggaact	tttgtttctt	gtctcttttc	cttaaaattg	480
ggggtaaagga	gggaaggaag	agggaaagag	atgactaact	aaaatcattt	ttacagcaaa	540
aactgctcaa	agccatttta	attatatcct	catttttaaaa	gtkacatttg	caaataatttc	600
tccctatgat	aatgtagtcg	atagtgtgca	ctctttctct	ctctctctct	ctctcacaca	660
cacacacaca	cacacacaca	cacacacaca	sacacggcac	cattctgcct	ggggcactgg	720
aacacattcc	tgggggtcac	cgatggtcag	agtcactagr	agttacctga	gtatctctgg	780
gaggcctcat	gtctcctgtg	ggctttttac	caccactgtg	caggagaaca	gacagaggaa	840
atgtgtctcc	ctccaaggcc	ccaaagcctc	agagaarggg	tgtttctggg	tttgccttag	900
caatgcatcg	gtctctgagg	tgacactctg	gagcggttga	agggccacaa	ggtgcagggt	960
taatactctt	gccagttttg	aaatatagat	gctatggttc	agattgtttt	taatagaaaa	1020
ctaaaggggc	aggggaagtg	aaaggaaaag	tggaggtttt	gtgcggctcg	atggggcatt	1080
tggaacttct	ttttaaagtc	atctcatggt	ctccagtttt	cagttggaac	tctgggtgtt	1140
aacacttaag	ggagacaaag	gctgtgtcca	tttggcaaaa	cttccttggc	cacgagactc	1200
taggtgatgt	gtgaagctgg	gcagtctgtg	gtgtggagag	cagccatctg	tctggccatt	1260
cagaggattc	taaagacatg	gctggatgcg	ctgctgacca	acatcagcac	ttaaataaat	1320
gcaaatgcaa	cattttctccc	tctgggcctt	gaaaatcctt	gcccttatca	tttggggtga	1380
aggagacatt	tctgtccttg	gcttcccaca	gccccaacgc	agtctgtgta	tgattcctgg	1440
gatccaacga	gccctcctat	tttcacagtg	ttctgattgc	tctcacagcc	caggcccatc	1500
gtctgttctc	tgaatgcagc	cctgttctca	acaacagggg	ggatcatggaa	cccctctgtg	1560
gaaccacaaa	ggggagaaat	gggtgataaa	gaatccagtt	cctcaaaacc	ttccctggca	1620
ggctgggtcc	ctctcctgct	gggtgggtgct	ttctcttgca	caccactccc	accacggggg	1680
gagagccagc	aaccacaacca	gacagctcag	gttgtgcatc	tgatggaaac	cactgggctc	1740
aaacacgtgc	tttattctct	tgtttatttt	tgtgtgtact	ttgaagcatg	gaaattcttg	1800
tttgggggat	cttggggcta	cagtagtggg	taaacaaatg	cccaccggcc	aagaggccat	1860
taacaaatcg	tccttgtcct	gaggggcccc	agcttgctcg	ggcgtggcac	agtggggaaa	1920
tccaagggtc	acagtatggg	rgaraggttg	caccctgcca	ccctgctaac	tttctctcgc	1980
ttaaanacag	tgnttttctc	gccccagggt	taaacctgnt	ttcccaccaa	gcaaaaaaca	2040
agccca						2046

<210> 174

<211> 1439

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (73)
 <223> n equals a,t,g, or c

<400> 174
 cctaaacgtc caacgtcaat gcccaaaacc accagangcc aacacaccta cgtgtaaaca 60
 nctacgacgt tangtttggg gtaaagtgtg ggaatgaaac tgccatgaag gcccctgaat 120
 taaaggatgt ggggaagtgg gctgcggtcc actgtccggc cttgcaaggc cmccyggagg 180
 cctgtctgtt agccagtggg ggaggagcaa ggcttcagga agggccagcc acatgccatc 240
 ttccctgcga tcaggcaaaa aagtgggaatt aaaaagtcaa acctttatat gcatgtgtta 300
 tgtccatttt gcaggatgaa ctgagtttaa agaatttttt ttttctcttc aagttgcttt 360
 gtctttttcca tcctcatcac aagcccttgt ttgagtgtct tatccctgag caatctttcg 420
 atggatggag atgatacatta ggtacttttg tttcaacctt tattectgta aatatttctg 480
 tgaaaactag gagaacagag atgagatttg acaaaaaaaaa attgaattaa aaataacaca 540
 gtcttttttaa aactaacata ggaaagcctt tcctattatt tctcttctta gcttctccat 600
 tgtctaaatc aggaaaacag gaaaacacag ctttctagca gctgcaaaat ggtttaaatgc 660
 cccctacata tttccatcac cttgaacaat agcttttagct tgggaatctg agatatgatc 720
 ccagaaaaca tctgtctcta cttcggtctgc aaaacccatg gtttaaattct atatggtttg 780
 tgcattttct caactaaaaa tagagatgat aatccgaatt ctccatata tcaactaatca 840
 aagacactat tttcatacta gattcctgag acaataactc actgaagggc ttgtttaaaa 900
 ataaattgtg ttttgggtctg ttcttgtaga taatgccctt ctattttagg tagaagctct 960
 ggaatccctt tattgtgctg ttgctcttat ctgcaagggtg gcaagcagtt cttttcagca 1020
 gatcttgccc actattcctc tgagctgaag ttctttgcat agatttggct taagcttgaa 1080
 ttagatccct gcaaaggctt gctctgtgat gtcagatgta attgtaaatg tcagtaatca 1140
 cttcatgaac gctaaatgag aatgtaagta tttttaaatg tgtgtatttc aaatttgttt 1200
 gactaattct ggaattacaa gatttctatg caggatttac cttcatcctg tgcagtgttc 1260
 ccaaactgtg aggaggggaag gctcagagat cgagcttctc ctctgagttc taacaaaatg 1320
 gtgctttgag ggtcagcctt taggaagggtg cagctttgtt gtcctttgag ctttctgtta 1380
 tgtgcctatc ctaataaaact cttaaacaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

<210> 175
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 175
 gattagatgg cgctagatat ttcacttttt tatttgkttt attttttttt ttttttgaga 60
 tggaattttct ctcttattgc ccaggctgga gtgcagtggtg acgatcttgg ctcacctcaa 120
 cctccgcctc ccgggttgaa gcgattctcc ttccctcgcc tcccgagcag ctgggattac 180
 aggcatgcgc caccatgccc ggctaatttt gtatttttag tagagatggg gtttctccat 240
 gttggctcagg ctggtcttga actccctacc tcagggtggtc cacctgcctg ggctcccaa 300
 agtgcctggga ttacaggcgt cagccaccgt gcctggcctg agaattcaca tttttaacaa 360
 tttcccaggg gatgttagtg cagcctgtct ggggaccatg gttcgagaac catagctcta 420
 gatcttttcta agagcatttc tgtctccatg ccagacctgt tttcctccat gaagtatact 480
 attttcaatgc tcgacttagt gtttatgttt tactctttct actgttttta caatcttaat 540
 ccagcctata aattcctctg ggcagaaatt ataccttcca cactctttca ttttctgttt 600
 tggaaaataa tgagtacatc ttcagcatga ttaataatag aatggagaaa ggggaaaacc 660
 tcagactatc aacct 675

<210> 176
 <211> 8446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2333)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (3087)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4356)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6401)
 <223> n equals a,t,g, or c

<400> 176
 agattggttt cgtttcgccg actgctgaat ttaccccgaa aaccgtcgaa acgccggatc 60
 tgcgtaccga cctcgtctat cgcctgcgta ttgtggtgac cgacgccgat gatgcgttac 120
 gccagggaat gccagtgcg gtacaattcg gtgacgaggc aggacatgaa tgatgccgtt 180
 atcacgctga acggcctgga aaaacgcttt ccgggcatgg acaagcccg cgtcgcgccg 240
 ctcgattgta ccattcacgc cggttatgtg acggggttgg tggggccgga cgggtgcagg 300
 aaaaccacgc tgatgcggat gttggcggga ttactgaaac ccgacagcgg cagtgccacg 360
 gtgattggct ttgatccgat caaaaacgac ggcgcgctgc acgccgtgct cggttatatg 420
 ccgcagaaat ttggtctgta tgaagatctc acggtgatgg agaacctcaa tctgtacgcg 480
 gatttgccga gcgtcacccg cgaggcacgt aagcaaaact ttgctcgct gctggagttt 540
 acgtctcttg ggcggtttac cggacgcctg gcgggcaagc tctccggtgg gatgaaacaa 600
 aaactcggtc tggcctgtac cctggtgggc gaaccgaaag tgttgctgct cgatgaacct 660
 ggcgtcggcg ttgaccctat ctacggcgcc gaactgtggc agatgggtgca tgagctggcg 720
 ggcgaaggga tgttaatcct ctggagtacc tcgtatctcg acgaagccga gcagtgccgt 780
 gacgtgttac tgatgaacga aggcgagttg ctgtatcagg gagaaccaa agccctgaca 840
 caaaccatgg ccggacgcag ctttctgatg accagtccac acgagggcaa ccgcaactg 900
 ttgcaacgcg ccttgaaact gccgcaggtc agcgacggca tgattcaggg gaaatcggta 960
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<211> 730

<212> DNA

<213> Homo sapiens

<400> 177

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<211> 621

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<213> Homo sapiens

<400> 178

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<210> 179

<211> 558

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<222> (395)

<223> n equals a,t,g, or c

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<222> (408)

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<222> (409)

<223> n equals a,t,g, or c

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<210> 180

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

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<222> (1481)

<223> n equals a,t,g, or c

<220>

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<222> (1513)

<223> n equals a,t,g, or c

<400> 180

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<210> 181

<211> 777

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

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<222> (155)

<223> n equals a,t,g, or c

<400> 181

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catgagagag	agaactgggtg	atactccaac	accgtccagt	tgtggcagct	ctccagaagt	600
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gggaacataa	acattttttac	ccttttctat	gccattttatt	ttgtaaaaat	cctattttaac	720
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<210> 182
 <211> 1909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1902)
 <223> n equals a,t,g, or c

<400> 182						
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cagctccaaa	agccactgat	gacaagggcc	ccactgtgga	acctaagtct	gggagcccc	180
tgacttctgg	ctggccagag	gctgcggtcc	gtcaagggct	tgctctcgctt	cagaatcagt	240
aacatagatc	ttaagtgcaa	ttgattaata	agcagtgagt	tactgtagct	tccttttagct	300
ctaccgaact	cttttttaaaa	actcaaactt	gagcagcctt	agaaaagggg	ttgggggggtg	360
ggaaccacag	gccattttctc	taagtgggct	gctgtgaagt	tttaaatagaa	agctcttagct	420
ttaggagctt	gagccatttc	ctgactgcac	tggcctggca	gtctggctgc	tgcasaagag	480
tttttaaaga	ggggtcsgag	cccggccgtg	agagcggkct	ttctcaccat	gtggggctgt	540
actacgtggt	ggtcttgggt	tctcttcaca	gaaatgctct	ctcaccaact	tgccccactg	600
tccaactcc	tctcctctta	gagaaaaaac	tgtgattacc	tcaacttgaa	tatgaaactg	660
tgattgaaaa	aagtcaaaac	gtgaagaagc	atcaaagcca	aaaaggcaaa	actggctgag	720
gcctctgttg	atgctcctca	gcctactcgg	gaacgtgaag	gggcagctgg	cgaaaaggga	780
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tataaaaagta	gccttcaatt	tatttttata	ttattttaca	tgtttttacc	tgcaagttgtg	1800
tatgtgaatt	taccttggtg	atcgagatgt	catgctaagg	accaataaac	tatcactgaa	1860
caaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1909

<210> 183
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<400> 183
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 atcggaaccc tctatcacta ctattaaatc cacaatttaa atcaccatca tctcttatct 180
 ggattctttc agttacctcc tgattaattc cctgcttctt gtgttgcttt ccacagatca 240
 ctgcctgcat agcaaacaga atgatttcct aaaaaaaaaa aattgagact gtattgttcc 300
 cttgcttaaa gccctccaac agcttcccat tgcaataaaa ataaatgtca ccttcttatt 360
 tggcctataa ggcctgacgt ggtttggctc ctgcctctgt aaactcatca tctacccctt 420
 gtccccaggt tctcatgctc cagccacagt ggctaccttc ctgtcccgcg aatgtaccca 480
 gtatatacta cctcagactt ttgctctgga acattcgttc tcatttttgc atggctaacc 540
 ctttctgaat tagtcagggt tctccataga aagataatca attgggtttt tatattttta 600
 aggagatttt attatggaga attagcatat gcaaatatgg agaccacaat gtgccatcta 660
 caagctggag acccaagaca gctgggtggtg taattcartc tgagtccgaa ggctgagagc 720
 cagaggaact gatggtgtga atcccagctc gaaggcaagg gaagatgaaa tga 773

<210> 184
 <211> 614
 <212> DNA
 <213> Homo sapiens

<400> 184
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 ggagaagaca atgaaggggt ctacaattaa gattttgctc tattttttcc atcatatcta 180
 tgcattctct cataccttta ttctcttacc caatccatct atttttttat gcatttcaaa 240
 gtacattgca gacattagta catgacacct ctaatcagtt ttatgttccct ttctttttta 300
 ctttatacga aataaaaaatc acagttaaca attatcaagt gcttactgtc aggcactgtg 360
 ccaagcactt tccttgcat acataatttg aatctcatgg taaccctata agtacagtta 420
 ccaccttcat tttaaaaatg agaagaactg aaacagagaa caatgggtgtc aattaacatt 480
 ttaaaagtct ttctatgggc cattcacagt gcaagtactt ttcatgcatt awctcagtta 540
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 aaaaagatct tgga 614

<210> 185
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 185
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 caactacaaa gggcttaaca aacttcgtaa attggagata tataggacat tgtacctaac 180
 ctaatagaaa cttaaacatt ttttagttat gkatgkcgat ttttaaccat gttccataga 240
 ggaatgttaa caatgtctaa aaaatcagkg tcatacaaaa tacgttattt cagccaggca 300
 tggcagctca tgccggtaat cctagtgtct tgggaggctg aggcaggagg atcacttgaa 360
 gccaggcaag accatatagk gagactygtg ctctgcaaaa aaaaaaaaag ggcggcscgc 420
 cttttttttt ttttttta 437

<210> 186
 <211> 587
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (534)

<223> n equals a,t,g, or c

<400> 186

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gctcctcctt	tctccccctc	agcactgctg	ccatctgggc	tgcattattc	tcgggtatgg	120
gggctgtccg	acattcccca	tcagaaggaa	aaagatccct	gaaaagtagc	aggtgcttac	180
atttctggcc	tctaccaccc	ggctgcagta	gtccccacc	accctgcaat	gtgacaacca	240
aaaatgtctc	tagatgttgc	cagaagtcc	ctagagatgg	gagggtagca	ctgccacccc	300
gctgagaatt	cctgctgtca	ctggagtggg	ggctgttttc	tctcccatgc	ctctggtacc	360
ttgggggtcc	cccctgctcc	caagggtctc	ttccaccacc	ctgtccatcc	atcccattg	420
gtccccagga	ggtttttagct	ccgggcttcc	tgtctccac	accactcctc	acagttctcc	480
atgatttcaa	catccaggtg	ggcgacgcag	cctctcggtt	ccttgaccct	ctgngtgatc	540
ctgctgcttc	taccgggcca	accagtactc	ctaggagccc	tcacaat		587

<210> 187

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1424)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1665)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1688)

<223> n equals a,t,g, or c

<400> 187

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cctcccggga	ctcctgggcc	gagctcttcc	ccgtacactg	ggacctagcc	tctggagggt	180
gactcctaag	tccaccagcc	cagatggggc	tcagactacc	tcctccactt	tgctgggtcc	240
tgtgcctaac	ctcgacaggt	caggtcccca	tggcccaggc	acgagcgggg	gtccaaggtc	300
ccatggatgg	aaggatgcct	tccaatggat	gtcttcccgt	gtctccccga	acaccctatg	360
ggatgccata	tcttggggca	ctctggccgt	gctggccctg	cagctggcaa	ggcagatcca	420
cttccaggca	tccctgccag	caggacctca	gcgggtagaa	cactgctect	ggcacagtcc	480
cctggaccgt	ttcttctcat	ctcccttggt	gcacccatgc	tcctcactgc	gacaacacat	540
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ccaggaagaa	gcctcagctc	agccccggaa	cttctcacac	aactccttga	gaggagctcg	660
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caagtttnc	caaggcaatt	ttcaag				1706

<210> 188
 <211> 1150
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (413)
 <223> n equals a,t,g, or c

<400> 188						
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ggacgtgggg	cccagctccc	tgccccacct	tgggtgaag	ctgctgtctg	tctgtgtgt	180
gctgcccctc	aggggccaag	ccaacacagg	ctgctacggg	atcccaggga	tgcccggcct	240
gcccggggca	ccagggaagg	atgggtacga	cggactgccg	gggccaagg	gggagccagg	300
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cggccatcct	gggaaaaatg	gccccatggg	accccctggg	atgccanggg	tgncgggcc	420
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accagcccc	tgcacccaac	agcctgatca	gattcaacgc	ggtcctcacc	aaccgcagg	540
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ctgcttgtgt	ggttcctggg	acacttaacc	aatgccttct	ggtactgcca	ttcttttttt	1080
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aaaaaaaaag						1150

<210> 189
 <211> 1233
 <212> DNA
 <213> Homo sapiens

<400> 189						
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ccagctccct	gccccacctt	gggctgaagc	tgtgtgtgtg	cctgtgtgtg	ctgcccctca	180
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aaaaaaaaaa	aaaaaaaaaa	aaaaagggcg	gcc			1233

<210> 190

<211> 633

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (596)

<223> n equals a,t,g, or c

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<221> SITE
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<223> n equals a,t,g, or c

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cagagcagcc aggctggaca gacggcctcc ctctctcca tctgaccggc acctgctgct 180
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ggaaccaaga cttcctgagt cccctcacc ctggccctgt tccaccatgg ttatctgggt 480
attggggaat ggaaactttg ggggagtgac tttttaaga gacacttata atttctacta 540
ctgcactact gtccattgtg ggtatgattaa acatgggtatt taactgtgca aaaaannnnn 600
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<210> 191
<211> 705
<212> DNA
<213> Homo sapiens

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ccaggctcgc gttcccgttg ctgctgttgc tgttgcgtgt gctgcggccg ccgccgtgcc 180
ctgcccacag cgccacgcgc ttcgaccca cctgggagtc cctggacgcc cgccagctgc 240
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ccagcttcgg tagcgagtgg ttctggcttt acctgtggg ggtcagaata ttcgtggaac 360
tggaatgcca tagatgagg gcccagagg gacattgtca aggaacttga ggtagccatt 420
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<210> 192
<211> 2901
<212> DNA
<213> Homo sapiens

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<210> 193

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (598)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (611)

<223> n equals a,t,g, or c

<400> 193

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<210> 194

<211> 3111

<212> DNA

<213> Homo sapiens

<400> 194

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<210> 195

<211> 490

<212> DNA

<213> Homo sapiens

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<400> 195
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<210> 196
<211> 1527
<212> DNA
<213> Homo sapiens

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<210> 197
<211> 3746
<212> DNA
<213> Homo sapiens

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gccctggggg	tgaactcagc	ccagcagtg	ccacctccc	tcctgatgg	tgtcaaccga	3060
gcacctcctc	cctggaacag	ggcgtccag	ctggagcgca	gggacttgcc	tggagtccag	3120
tccttgcccc	tgcaggattg	tggccggcgc	cctggcagac	gggcctggga	ggcgtctctg	3180
cggccttcga	gggctgagct	ccccatctgt	gaaatgcagg	cctgggaagc	ccctcagaag	3240
ctgcttctgc	agctccaggg	ccagatgggg	gctctagggc	aggaccgtgt	gacccccacc	3300
gagccgggga	cctagagcca	gccagtccc	gccacacatg	aatccacgtg	tttaatgaca	3360
gcgtcactgc	attacatgag	aaacaaggct	ggtctgtcct	gggagctccc	ccacccccct	3420
gcctgggcag	aaccagcccc	aacacaaaac	tcacgccgtc	cgcctggccc	tgcggcggtt	3480
cccagtccca	ggaggagcct	ctgaaggcca	ctgtgggttg	tgcactgagc	cagccaagcc	3540
ctgacgcca	cagcgacaag	gcggctcttt	ggcaactgcg	ggcaggggag	ggcatggggg	3600
aaggcagggg	tgggttttct	atttaaaaac	cttgaaacag	taagaccgtg	accaccggac	3660
gcgtgggtcg	acccgggaat	tccggaccgg	tacctgcagg	cgtaccttct	atagtgtcac	3720
ctaaatagct	ttttgcaaaa	gctata				3746

<210> 198

<211> 91

<212> PRT

<213> Homo sapiens

<400> 198

Met Val Leu Arg Gly Trp Gly Leu Ala Trp Ser Leu Ser Pro Val Val
 1 5 10 15
 Cys Gly Tyr Ser Gly Asp Met Lys Gly Val Cys Trp Gly Arg Ser Asp
 20 25 30
 His Ser Leu Leu Pro Ser Glu Ile Leu Leu Pro Pro Ala Pro Cys Pro
 35 40 45
 Ser Ser Ala Val Leu His Asn Pro Pro Pro Thr Pro His Leu Pro Ser
 50 55 60
 Pro Val Leu Val Arg Ile Gln Glu Ala Pro Thr Trp Ala Gln Arg Ser
 65 70 75 80
 Ser Leu Gly Ala Ser Pro Leu His Lys Gly Asp
 85 90

<210> 199
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Ser Cys Thr Leu Leu Ile Cys Thr Val Val Leu Gly Val Thr Thr
 1 5 10 15
 Pro Ala Ile Gly Pro Ala Ala Pro Ser Leu Leu Ala Thr Pro Pro Gln
 20 25 30
 Ala Ala Ala Ala Thr Met Gln Pro Arg Leu Gly Arg Ala Ala Gly Ala
 35 40 45
 Ala

<210> 200
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 200
 Met Val Pro Cys Arg Lys Thr Leu Leu Phe Leu Trp Val Gly Ser Leu
 1 5 10 15
 Cys Arg Asp Val Gly Ser Trp Ser Gly Trp Pro Phe Gly Leu Ser Thr
 20 25 30
 Ala Thr Gln Pro Arg Leu Arg Leu Gly Lys Gln Thr Gly Ala Gly Gln
 35 40 45
 Ala Arg Arg Ala Cys Arg Thr Val Ile Leu Arg Cys Gly Ser Cys Cys
 50 55 60
 Arg Gly Arg Arg Thr Gly Ser Val Val Ala Trp Ser Ser Leu Pro Gln
 65 70 75 80

Arg Thr Ser Ala Ala Glu Leu Arg Trp Arg Pro Trp Gly Pro Val
85 90 95

<210> 201
<211> 175
<212> PRT
<213> Homo sapiens

<400> 201
Met Ala Thr Pro Ser Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu
1 5 10 15
Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys
20 25 30
Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala
35 40 45
Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val
50 55 60
Glu Asn Leu Gln Arg Tyr Trp Leu Asn Tyr Glu Ala His Leu Met Lys
65 70 75 80
Glu Gly Leu Thr Gln Lys Val Asn Thr Pro Phe Leu Lys Ala Leu Val
85 90 95
Gln Asn Leu Ser Thr Asn Thr Ala Glu Asp Phe Tyr Phe Ser Leu Glu
100 105 110
Pro Ser Gln Val Pro Arg Gln Val Met Lys Asp Glu Asp Lys Pro Pro
115 120 125
Asp Arg Val Arg Leu Pro Lys Ser Leu Phe Arg Ser Leu Pro Gly Asn
130 135 140
Arg Ser Val Val Arg Leu Ala Val Thr Ile Leu Asp Ile Gly Pro Gly
145 150 155 160
Thr Leu Phe Lys Val Arg Thr Gln Gly Ser Ser Lys Val Lys Cys
165 170 175

<210> 202
<211> 126
<212> PRT
<213> Homo sapiens

<400> 202
Met Ala Ala Phe Ala Thr Ala His Leu Leu Tyr Val Trp Ala Phe Gly
1 5 10 15
Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu Leu Ile Ile Leu Ala Pro
20 25 30
Gly Pro Tyr Leu Ser Leu Val Leu Gln His Leu Glu Pro Asp Met Val

35	40	45
Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu Met Ala Met Leu Trp Arg		
50	55	60
Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp Gly Ala Leu Leu Phe Thr		
65	70	75
Leu Ser Asp Gly Val Leu Ala Trp Asp Thr Phe Ala Gln Pro Leu Pro		
85	90	95
His Ala His Leu Val Ile Met Thr Thr Tyr Tyr Ala Ala Gln Leu Leu		
100	105	110
Ile Thr Leu Ser Ala Leu Arg Ser Pro Val Pro Lys Thr Asp		
115	120	125

<210> 203
 <211> 187
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met Trp Cys Ala Ser Pro Val Ala Val Val Ala Phe Cys Ala Gly Leu
 1 5 10 15

Leu Val Ser His Pro Val Leu Thr Gln Gly Gln Glu Ala Gly Gly Arg
 20 25 30

Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe Tyr
 35 40 45

Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile Glu
 50 55 60

Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn Arg
 65 70 75 80

Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile Leu
 85 90 95

Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys Ile
 100 105 110

Cys Glu Lys Leu Lys Lys Leu Asp Ser Gln Ile Cys Glu Leu Lys Tyr
 115 120 125

Glu Lys Thr Leu Asp Leu Ala Ser Val Asp Leu Arg Lys Met Arg Val
 130 135 140

Ala Glu Leu Lys Gln Ile Leu His Ser Trp Gly Glu Glu Cys Arg Ala
 145 150 155 160

Cys Ala Glu Lys Thr Asp Tyr Val Asn Leu Ile Gln Glu Leu Ala Pro
 165 170 175

Lys Tyr Ala Ala Thr His Pro Lys Thr Glu Leu
 180 185

<210> 204
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Thr Trp Gly Thr Lys Ala Thr Trp Tyr Leu Ala Ser Ser Ser Ser
 1 5 10 15
 Cys Gly Ser Tyr Cys Pro Pro Pro Cys Trp Trp Ala Ser Ser Gly Cys
 20 25 30
 Thr Gly Pro His Arg Thr
 35

<210> 205
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 205
 Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile Val Trp Phe Pro
 1 5 10 15
 Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly Val Ile Asn Gln
 20 25 30
 Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly Tyr Gln Pro Ile
 35 40 45
 Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile Met Asp Gln Gln
 50 55 60
 Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp Thr Gly Ala Met
 65 70 75 80
 Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr Val Ala Glu Leu
 85 90 95
 Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro Pro Ser Lys Gln
 100 105 110
 Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser Phe Ser Val Val
 115 120 125
 Phe Ser Trp Ser Ile Gln Arg Asn Leu Ser Leu Gly Ala Lys Ser Glu
 130 135 140
 Ile Ala Thr Asp Lys Leu Ser Phe Pro Leu Lys Asn Ile Asn Ser Lys
 145 150 155 160
 Glu Tyr Arg

<210> 206
 <211> 369
 <212> PRT
 <213> Homo sapiens

<400> 206
 Met Ala Phe Lys Leu Leu Ile Leu Leu Ile Gly Thr Trp Ala Leu Phe
 1 5 10 15
 Phe Arg Lys Arg Arg Ala Asp Met Pro Arg Val Phe Val Phe Arg Ala
 20 25 30
 Leu Leu Leu Val Leu Ile Phe Leu Phe Val Val Ser Tyr Trp Leu Phe
 35 40 45
 Tyr Gly Val Arg Ile Leu Asp Ser Arg Asp Arg Asn Tyr Gln Gly Ile
 50 55 60
 Val Gln Tyr Ala Val Ser Leu Val Asp Ala Leu Leu Phe Ile His Tyr
 65 70 75 80
 Leu Ala Ile Val Leu Leu Glu Leu Arg Gln Leu Gln Pro Met Phe Thr
 85 90 95
 Leu Gln Val Val Arg Ser Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu
 100 105 110
 Gly His Leu Ser Ile Gln Arg Ala Ala Leu Val Val Leu Glu Asn Tyr
 115 120 125
 Tyr Lys Asp Phe Thr Ile Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys
 130 135 140
 Phe Arg Ala Ala Lys His Met Ala Gly Leu Lys Val Tyr Asn Val Asp
 145 150 155 160
 Gly Pro Ser Asn Asn Ala Thr Gly Gln Ser Arg Ala Met Ile Ala Ala
 165 170 175
 Ala Ala Arg Arg Arg Asp Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu
 180 185 190
 Ala Glu His Glu Arg Arg Val Lys Lys Arg Lys Ala Arg Leu Val Val
 195 200 205
 Ala Val Glu Glu Ala Phe Ile His Ile Gln Arg Leu Gln Ala Glu Glu
 210 215 220
 Gln Gln Lys Ala Pro Gly Glu Val Met Asp Pro Arg Glu Ala Ala Gln
 225 230 235 240
 Ala Ile Phe Pro Ser Met Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile
 245 250 255
 Thr Arg Gln Gln Asn Tyr His Ser Met Glu Ser Ile Leu Gln His Leu
 260 265 270
 Ala Phe Cys Ile Thr Asn Gly Met Thr Pro Lys Ala Phe Leu Glu Arg
 275 280 285

Tyr Leu Ser Ala Gly Pro Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu
 290 295 300

Ser Thr Gln Trp Arg Leu Val Ser Asp Glu Ala Val Thr Asn Gly Leu
 305 310 315 320

Arg Asp Gly Ile Val Phe Val Leu Lys Cys Leu Asp Phe Ser Leu Val
 325 330 335

Val Asn Val Lys Lys Ile Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile
 340 345 350

Asp Pro Lys Ser His Lys Phe Val Leu Arg Leu Gln Ser Glu Thr Ser
 355 360 365

Val

<210> 207

<211> 85

<212> PRT

<213> Homo sapiens

<400> 207

Met Asp Thr Tyr Phe Ile Leu Trp Ala Ile Pro Val Thr Ile Ile Ile
 1 5 10 15

Cys Phe Ser Trp Leu Glu Tyr Ser Gln Thr Trp Ala Leu Gly Ala Ser
 20 25 30

Cys Ser Leu Pro Gln Cys Pro Phe Asp Val Met Leu Ser Leu Phe Leu
 35 40 45

Val His Pro Tyr Phe Pro Thr Val Trp Asp His Leu Cys Phe Pro His
 50 55 60

Pro Ser Pro Glu Ser Ser Pro Phe Ser Lys Cys Ser Leu Val Ala Trp
 65 70 75 80

Leu Glu Asn Gly Ala
 85

<210> 208

<211> 172

<212> PRT

<213> Homo sapiens

<400> 208

Met His Gly Ala Arg Leu Phe Val Cys Leu Phe Val Cys Phe Arg Gln
 1 5 10 15

Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser Ser
 20 25 30

Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn Leu

35					40					45					
Pro	Ser	Ser	Trp	Asp	Tyr	Arg	His	Met	Ala	Thr	Cys	Pro	Trp	Leu	Ile
	50					55					60				
Phe	Val	Phe	Leu	Val	Glu	Met	Glu	Phe	Arg	His	Val	Gly	Gln	Ala	Gly
65					70					75					80
Leu	Gly	Leu	Leu	Thr	Ser	Ser	Asp	Leu	Pro	Ala	Leu	Ala	Phe	Gln	Ser
				85					90					95	
Ala	Gly	Ile	Thr	Gly	Leu	Ser	His	His	Ala	Trp	Pro	Gly	Arg	Phe	Leu
			100					105					110		
Lys	Lys	Val	Ile	Glu	Ile	Cys	Ser	Cys	Pro	Val	Pro	Arg	Gly	Ser	His
		115					120					125			
Ala	Gly	Leu	Phe	Ser	Ala	Pro	Gly	Leu	Pro	Cys	Glu	Ser	Gly	Gly	Ala
	130					135					140				
Ala	Val	Leu	Leu	Gln	Glu	Gly	Gln	Thr	Pro	Val	Gln	Glu	Ala	Arg	Thr
145					150					155					160
His	His	Gln	Leu	Val	Gly	Gly	Gln	Gly	Arg	Leu	Cys				
			165						170						

<210> 209

<211> 829

<212> PRT

<213> Homo sapiens

<400> 209

Met	Ala	Pro	Ala	Gly	Cys	Cys	Cys	Cys	Cys	Cys	Phe	Trp	Gly	Gly	Ala
1				5						10				15	
Val	Ala	Ala	Ala	Gly	Ala	Ala	Arg	Arg	Val	Leu	Leu	Leu	Leu	Leu	Leu
			20					25					30		
Gly	Val	Leu	Ser	Ala	Arg	Leu	Arg	Pro	Gly	Ala	Leu	Ala	Thr	Glu	His
		35					40					45			
Tyr	Ser	Pro	Leu	Ala	Leu	Leu	Lys	Gln	Glu	Leu	Gln	His	Arg	Gln	Gln
	50					55					60				
Gln	Glu	Ala	Pro	Ala	Gly	Gly	Gly	Gly	Cys	Ser	Pro	Gln	Ser	Gly	Asp
65					70				75						80
Trp	Gly	Asp	Gln	Tyr	Ser	Ala	Glu	Cys	Gly	Glu	Ser	Ser	Phe	Leu	Asn
				85					90					95	
Phe	His	Asp	Ser	Asp	Cys	Glu	Pro	Lys	Gly	Ser	Ser	Pro	Cys	Asp	Ser
			100					105					110		
Leu	Leu	Ser	Leu	Asn	Thr	Glu	Lys	Ile	Leu	Ser	Gln	Ala	Lys	Ser	Ile
		115					120					125			
Ala	Glu	Gln	Lys	Arg	Phe	Pro	Phe	Ala	Thr	Asp	Asn	Asp	Ser	Thr	Asn
	130					135					140				

Glu Glu Leu Ala Ile Ala Tyr Val Leu Ile Gly Ser Gly Leu Tyr Asp
 145 150 155 160
 Glu Ala Ile Arg His Phe Ser Thr Met Leu Gln Glu Glu Pro Asp Leu
 165 170 175
 Val Ser Ala Ile Tyr Gly Arg Gly Ile Ala Tyr Gly Lys Lys Gly Leu
 180 185 190
 His Ile Leu Ser Pro Leu Gly Arg Ile Asn Glu Ala Val Asn Asp Leu
 195 200 205
 Thr Lys Ala Ile Gln Leu Gln Pro Ser Ala Arg Leu Tyr Arg His Arg
 210 215 220
 Gly Thr Leu Tyr Phe Ile Ser Glu Asp Tyr Ala Thr Ala His Glu Asp
 225 230 235 240
 Phe Gln Gln Ser Leu Glu Leu Asn Lys Asn Gln Pro Ile Ala Met Leu
 245 250 255
 Tyr Lys Gly Leu Thr Phe Phe His Arg Gly Leu Leu Lys Glu Ala Ile
 260 265 270
 Glu Ser Phe Lys Glu Ala Leu Lys Gln Lys Val Asp Phe Ile Asp Ala
 275 280 285
 Tyr Lys Ser Leu Gly Gln Ala Tyr Arg Glu Leu Gly Asn Phe Glu Ala
 290 295 300
 Ala Thr Glu Ser Phe Gln Lys Ala Leu Leu Leu Asn Gln Asn His Val
 305 310 315 320
 Gln Thr Leu Gln Leu Arg Gly Met Met Leu Tyr His His Gly Ser Leu
 325 330 335
 Gln Glu Ala Leu Lys Asn Phe Lys Arg Cys Leu Gln Leu Glu Pro Tyr
 340 345 350
 Asn Glu Val Cys Gln Tyr Met Lys Gly Leu Ser His Val Ala Met Gly
 355 360 365
 Gln Phe Tyr Glu Gly Ile Lys Ala Gln Thr Lys Val Met Leu Asn Asp
 370 375 380
 Pro Leu Pro Gly Gln Lys Ala Ser Pro Glu Tyr Leu Lys Val Lys Tyr
 385 390 395 400
 Leu Arg Glu Tyr Ser Arg Tyr Leu His Ala His Leu Asp Thr Pro Leu
 405 410 415
 Thr Glu Tyr Asn Ile Asp Val Asp Leu Pro Gly Ser Phe Lys Asp His
 420 425 430
 Trp Ala Lys Asn Leu Pro Phe Leu Ile Glu Asp Tyr Glu Glu Gln Pro
 435 440 445
 Gly Leu Gln Pro His Ile Lys Asp Val Leu His Gln Asn Phe Glu Ser
 450 455 460

Tyr Lys Pro Glu Val Gln Glu Leu Ile Cys Val Ala Asp Arg Leu Gly
 465 470 475 480
 Ser Leu Met Gln Tyr Glu Thr Pro Gly Phe Leu Pro Asn Lys Arg Ile
 485 490 495
 His Arg Ala Met Gly Leu Ala Ala Leu Glu Val Met Gln Ala Val Gln
 500 505 510
 Arg Thr Trp Thr Asn Ser Lys Val Arg Met Asn Gly Lys Thr Arg Leu
 515 520 525
 Met Gln Trp Arg Asp Met Phe Asp Ile Ala Val Lys Trp Arg Arg Ile
 530 535 540
 Ala Asp Pro Asp Gln Pro Val Leu Trp Leu Asp Gln Met Pro Ala Arg
 545 550 555 560
 Ser Leu Ser Arg Gly Phe Asn Asn His Ile Asn Leu Ile Arg Gly Gln
 565 570 575
 Val Ile Asn Met Arg Tyr Leu Glu Tyr Phe Glu Lys Ile Leu His Phe
 580 585 590
 Ile Lys Asp Arg Ile Leu Val Tyr His Gly Ala Asn Asn Pro Lys Gly
 595 600 605
 Leu Leu Glu Val Arg Glu Ala Leu Glu Lys Val His Lys Val Glu Asp
 610 615 620
 Leu Leu Pro Ile Met Lys Gln Phe Asn Thr Lys Thr Lys Asp Gly Phe
 625 630 635 640
 Thr Val Asn Thr Lys Val Pro Ser Leu Lys Asp Gln Gly Lys Glu Tyr
 645 650 655
 Asp Gly Phe Thr Ile Thr Ile Thr Gly Asp Lys Val Gly Asn Ile Leu
 660 665 670
 Phe Ser Val Glu Thr Gln Thr Thr Glu Glu Arg Thr Gln Leu Tyr His
 675 680 685
 Ala Glu Ile Asp Ala Leu Tyr Lys Asp Leu Thr Ala Lys Gly Lys Val
 690 695 700
 Leu Ile Leu Ser Ser Glu Phe Gly Glu Ala Asp Ala Val Cys Asn Leu
 705 710 715 720
 Ile Leu Ser Leu Val Tyr Tyr Phe Tyr Asn Leu Met Pro Leu Ser Arg
 725 730 735
 Gly Ser Ser Val Ile Ala Tyr Ser Val Ile Val Gly Ala Leu Met Ala
 740 745 750
 Ser Gly Lys Glu Val Ala Gly Lys Ile Pro Lys Gly Lys Leu Val Asp
 755 760 765
 Phe Glu Ala Met Thr Ala Pro Gly Ser Glu Ala Phe Ser Lys Val Ala
 770 775 780

Lys Ser Trp Met Asn Leu Lys Ser Ile Ser Pro Ser Tyr Lys Thr Leu
 785 790 795 800

Pro Ser Val Ser Glu Thr Phe Pro Thr Leu Arg Ser Met Ile Glu Val
 805 810 815

Leu Asn Thr Asp Ser Ser Pro Arg Cys Leu Lys Lys Leu
 820 825

<210> 210
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Thr Ser Gln Asn Leu Trp Val Ile Val Val Ile Ala Asn Ser Ile
 1 5 10 15

Leu Val Ile Val Ala Gln Tyr Arg Asp Glu Gly Asn Arg Phe Cys Asn
 20 25 30

Gln Met Ile Leu Gly Ser Glu Ser Thr Leu Pro Leu Thr Ser Tyr Met
 35 40 45

Thr Ser Ser Asn Phe His His Leu Ser Met Leu Gln Phe Pro His Arg
 50 55 60

Gln Asp Gly Cys Gly Gly Arg Gly Thr Thr Val Gln Ile His His Pro
 65 70 75 80

Lys Phe Lys Met Leu Gln Asn Leu Gly Arg Ala Trp Trp Leu Ile Pro
 85 90 95

Val Ile Pro Ala Leu Trp Glu Val Lys Val Asp Gly
 100 105

<210> 211
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Met Trp Leu Leu Leu Thr Thr Thr Cys Leu Ile Cys Gly Thr Leu
 1 5 10 15

Asn Ala Gly Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val
 20 25 30

Trp Met Asn Thr Ser Glu Ile Ile Ile Tyr Asn Gly Tyr Pro Ser Glu
 35 40 45

Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg
 50 55 60

Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val

65		70		75		80
Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu						
	85			90		95
Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr						
	100		105		110	
Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His						
	115		120		125	
Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Ser Phe Asp						
	130		135		140	
Glu Met Ala Asn Met Ile Ser Gln Glu						
145		150				

<210> 212
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 212

Met Arg Phe Ile Trp Leu Met Phe Leu Gln Ala Val Gln Ala Ser Gly														
1		5				10						15		
Lys Gly Leu Arg Lys Leu Pro His Thr Val Glu Asp Glu Gly Glu Pro														
	20					25						30		
Glu Cys Ala Asp Tyr Met Val Arg Glu Trp Lys Gln Glu Arg Gly Ala														
	35					40					45			
Gly Gly Ala Arg Ile Phe Ser Thr Ile Ser Ser Trp Met Ser Thr Val														
	50				55					60				
Ala His Ala Cys Asn Pro Ser Thr Leu Gly Ala Gln Asp Gly Arg Ile														
	65				70				75					80
Thr Ser Ala Gln Glu Phe Asn														
				85										

<210> 213
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 213

Met Asp Arg Arg Arg Met Ala Leu Arg Pro Gly Ser Arg Arg Pro Thr														
1		5					10						15	
Ala Phe Phe Phe His Ser Arg Trp Leu Val Pro Asn Leu Leu Ala Phe														
	20						25						30	
Phe Leu Gly Leu Ser Gly Ala Gly Pro Ile His Leu Pro Met Pro Trp														
	35					40					45			

Pro Asn Gly Arg Arg His Arg Val Leu Asp Pro His Thr Gln Leu Ser
50 55 60

Thr His Glu Ala Pro Gly Arg Trp Lys Pro Val Ala Pro Arg Arg Met
65 70 75 80

Lys Ala Cys Pro Gln Val Leu Leu Glu Trp
85 90

<210> 214
<211> 34
<212> PRT
<213> Homo sapiens

<400> 214
Met Met Ser Ile His Cys Val Gln Pro Leu Leu Pro Leu Phe Leu Pro
1 5 10 15

Ser Ser Tyr Phe Lys Gln Phe Leu Leu Leu Pro Trp Thr Phe Gly Val
20 25 30

Ala Leu

<210> 215
<211> 245
<212> PRT
<213> Homo sapiens

<400> 215
Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
1 5 10 15

Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
20 25 30

Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
35 40 45

Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
50 55 60

Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
65 70 75 80

Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
85 90 95

Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
100 105 110

Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
115 120 125

Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Ala Ser
130 135 140

Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu
 145 150 155 160
 Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu
 165 170 175
 Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu Ser Gln Leu Pro
 180 185 190
 Ala Leu Ala Ile Tyr Gln Thr Leu Asp Asp Glu Trp Asp Thr Leu Pro
 195 200 205
 Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe Cys Asp Gly Phe
 210 215 220
 Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser Glu Gly Lys Thr
 225 230 235 240
 Pro Lys Val Glu Leu
 245

<210> 216
 <211> 459
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Phe Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp Cys Cys
 1 5 10 15
 Arg Lys Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser Ser Leu
 20 25 30
 Ser Asn Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr Pro Asp
 35 40 45
 Asn Leu Gly Arg Thr Cys Leu His Ala Ala Ala Ser Gly Gly Asn Val
 50 55 60
 Glu Cys Leu Asn Leu Leu Leu Ser Ser Gly Ala Asp Leu Arg Arg Arg
 65 70 75 80
 Asp Lys Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn Gly Ser
 85 90 95
 Tyr Gln Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val Asn Glu
 100 105 110
 Ala Asp Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala Ser Asp
 115 120 125
 Thr Tyr Arg Arg Ala Glu Pro His Thr Pro Ser Ser His Asp Ala Glu
 130 135 140
 Glu Asp Glu Pro Leu Lys Glu Ser Arg Arg Lys Glu Ala Phe Phe Cys
 145 150 155 160

Leu Glu Phe Leu Leu Asp Asn Gly Ala Asp Pro Ser Leu Arg Asp Arg
 165 170 175
 Gln Gly Tyr Thr Ala Val His Tyr Ala Ala Ala Tyr Gly Asn Arg Gln
 180 185 190
 Asn Leu Glu Leu Leu Leu Glu Met Ser Phe Asn Cys Leu Glu Asp Val
 195 200 205
 Glu Ser Thr Ile Pro Val Ser Pro Leu His Leu Ala Ala Tyr Asn Gly
 210 215 220
 His Cys Glu Ala Leu Lys Thr Leu Ala Glu Thr Leu Val Asn Leu Asp
 225 230 235 240
 Val Arg Asp His Lys Gly Arg Thr Ala Leu Phe Leu Ala Thr Glu Arg
 245 250 255
 Gly Ser Thr Glu Cys Val Glu Val Leu Thr Ala His Gly Ala Ser Ala
 260 265 270
 Leu Ile Lys Glu Arg Lys Arg Lys Trp Thr Pro Leu His Ala Ala Ala
 275 280 285
 Ala Ser Gly His Thr Asp Ser Leu His Leu Leu Ile Asp Ser Gly Glu
 290 295 300
 Arg Ala Asp Ile Thr Asp Val Met Asp Ala Tyr Gly Gln Thr Pro Leu
 305 310 315 320
 Met Leu Ala Ile Met Asn Gly His Val Asp Cys Val His Leu Leu Leu
 325 330 335
 Glu Lys Gly Ser Thr Ala Asp Ala Ala Asp Leu Arg Gly Arg Thr Ala
 340 345 350
 Leu His Arg Gly Ala Val Thr Gly Cys Glu Asp Cys Leu Ala Ala Leu
 355 360 365
 Leu Asp His Asp Ala Phe Val Leu Cys Arg Asp Phe Lys Gly Arg Thr
 370 375 380
 Pro Ile His Leu Ala Ser Ala Cys Gly His Thr Ala Val Leu Arg Thr
 385 390 395 400
 Leu Leu Gln Ala Ala Leu Ser Thr Asp Pro Leu Asp Ala Gly Val Asp
 405 410 415
 Tyr Ser Gly Tyr Ser Pro Met His Trp Ala Ser Tyr Thr Gly His Glu
 420 425 430
 Asp Cys Leu Glu Leu Leu Leu Glu His Ser Pro Phe Ser Tyr Leu Glu
 435 440 445
 Gly Asn Pro Phe Thr Pro Ser Leu Cys Ser Asp
 450 455

<210> 217

<211> 110
 <212> PRT
 <213> Homo sapiens

<400> 217

Met	Lys	Arg	Tyr	Ile	Ile	Ser	Leu	Gln	Ser	Pro	Leu	Ser	His	Ser	Ser
1				5					10					15	
Met	Trp	Pro	Ala	Tyr	Leu	Leu	Pro	Ile	Met	Leu	Leu	Ile	His	Leu	Gln
			20					25					30		
Ala	Ile	Cys	His	Gln	Ile	Lys	Lys	Gln	Gln	Thr	Glu	Gly	Gln	Ser	Gln
		35					40					45			
Asp	Val	Leu	Thr	His	His	Cys	Asn	Phe	Leu	Leu	Glu	Met	Ile	Pro	Phe
	50					55					60				
Arg	Lys	Arg	Leu	Val	Glu	Ile	Gly	Val	Lys	Gly	Thr	Leu	Gln	Ile	Ser
65					70					75					80
Pro	Val	Leu	Ser	Tyr	Phe	Gln	Leu	Tyr	Arg	Gln	Glu	Gln	Phe	Lys	Ser
				85					90					95	
Lys	Glu	Phe	Ser	Arg	Phe	Leu	Gln	Cys	His	Lys	Ala	Val	Ser		
			100					105					110		

<210> 218
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 218

Met	Pro	Pro	Pro	Phe	Leu	Arg	Lys	Pro	Leu	Ile	Leu	Cys	Val	Phe	Leu
1				5					10					15	
Pro	Thr	Glu	Gly	Asn	Cys	Gly	Gly	Ser	Ser	Leu	Ala	Phe	Leu	Leu	Asn
			20					25					30		
Phe	Ala	Gly	Asn	Ser	Pro	Gln	Phe	Leu	Ser	Glu	Val	Arg	Thr	Val	His
		35					40					45			
Tyr	Gln	Arg	Asp	Trp	Thr	Leu	Tyr	Pro	Leu	Ala	Lys	Trp	Glu	Lys	Ile
	50					55					60				
Leu	Pro	Ala	His	Ser	Thr	Pro	Pro	Trp	Pro	Ser	Pro	Thr	Pro	His	Pro
65					70					75					80
Gln	Gln	His	Phe	His	Gly	Asn	Pro	Asp	Gly	Arg	Val	Val	Leu	Trp	Leu
				85					90					95	
Ser	Cys	Asp	Arg	Leu	Ala	Phe	Ile	Leu	Glu	Ser					
			100					105							

<210> 219
 <211> 428
 <212> PRT

<213> Homo sapiens

<400> 219

```
Met Gly Pro Pro Pro Gly Ala Gly Val Ser Cys Arg Gly Gly Cys Gly
  1           5           10           15

Phe Ser Arg Leu Leu Ala Trp Cys Phe Leu Leu Ala Leu Ser Pro Gln
  20           25           30

Ala Pro Gly Ser Arg Gly Ala Glu Ala Val Trp Thr Ala Tyr Leu Asn
  35           40           45

Val Ser Trp Arg Val Pro His Thr Gly Val Asn Arg Thr Val Trp Glu
  50           55           60

Leu Ser Glu Glu Gly Val Tyr Gly Gln Asp Ser Pro Leu Glu Pro Val
  65           70           75           80

Ala Gly Val Leu Val Pro Pro Asp Gly Pro Gly Ala Leu Asn Ala Cys
  85           90           95

Asn Pro His Thr Asn Phe Thr Val Pro Thr Val Trp Gly Ser Thr Val
  100          105          110

Gln Val Ser Trp Leu Ala Leu Ile Gln Arg Gly Gly Gly Cys Thr Phe
  115          120          125

Ala Asp Lys Ile His Leu Ala Tyr Glu Arg Gly Ala Ser Gly Ala Val
  130          135          140

Ile Phe Asn Phe Pro Gly Thr Arg Asn Glu Val Ile Pro Met Ser His
  145          150          155          160

Pro Gly Ala Val Asp Ile Val Ala Ile Met Ile Gly Asn Leu Lys Gly
  165          170          175

Thr Lys Ile Leu Gln Ser Ile Gln Arg Gly Ile Gln Val Thr Met Val
  180          185          190

Ile Glu Val Gly Lys Lys His Gly Pro Trp Val Asn His Tyr Ser Ile
  195          200          205

Phe Phe Val Ser Val Ser Phe Phe Ile Ile Thr Ala Ala Thr Val Gly
  210          215          220

Tyr Phe Ile Phe Tyr Ser Ala Arg Arg Leu Arg Asn Ala Arg Ala Gln
  225          230          235          240

Ser Arg Lys Gln Arg Gln Leu Lys Ala Asp Ala Lys Lys Ala Ile Gly
  245          250          255

Arg Leu Gln Leu Arg Thr Leu Lys Gln Gly Asp Lys Glu Ile Gly Pro
  260          265          270

Asp Gly Asp Ser Cys Ala Val Cys Ile Glu Leu Tyr Lys Pro Asn Asp
  275          280          285

Leu Val Arg Ile Leu Thr Cys Asn His Ile Phe His Lys Thr Cys Val
  290          295          300
```

Asp Pro Trp Leu Leu Glu His Arg Thr Cys Pro Met Cys Lys Cys Asp
 305 310 315 320
 Ile Leu Lys Ala Leu Gly Ile Glu Val Asp Val Glu Asp Gly Ser Val
 325 330 335
 Ser Leu Gln Val Pro Val Ser Asn Glu Ile Ser Asn Ser Ala Ser Ser
 340 345 350
 His Glu Glu Asp Asn Arg Ser Glu Thr Ala Ser Ser Gly Tyr Ala Ser
 355 360 365
 Val Gln Gly Thr Asp Glu Pro Pro Leu Glu Glu His Val Gln Ser Thr
 370 375 380
 Asn Glu Ser Leu Gln Leu Val Asn His Glu Ala Asn Ser Val Ala Val
 385 390 395 400
 Asp Val Ile Pro His Val Asp Asn Pro Thr Phe Glu Glu Asp Glu Thr
 405 410 415
 Pro Asn Gln Glu Thr Ala Val Arg Glu Ile Lys Ser
 420 425

<210> 220
 <211> 124
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met Leu Thr Gln Ser Gln Gln Val Leu Arg Gly Ile Leu Leu Phe Leu
 1 5 10 15
 Gln Asn Ile Leu Gln Val Ser Trp Gly Ser Pro Leu Ala Leu Ala Ser
 20 25 30
 Pro Pro Ser Pro Ser Leu Gln Pro Gly Asn Gly Leu Ala Ser Ser Leu
 35 40 45
 Leu Ala Leu Gln Pro Gly Leu Ala Gly Pro Trp Ala Gly Pro Gln Glu
 50 55 60
 Pro Ser Pro Ala Met Cys Phe Pro Lys Lys Arg Ser Leu Trp Pro Asn
 65 70 75 80
 Leu Arg Lys Gln Trp Ala Ser Ile His Ile Asn Asp Pro Arg Gly Thr
 85 90 95
 Leu Cys Pro Arg Cys Thr Gly Cys Asn Gln Arg Gly Ser Gly Gly Ser
 100 105 110
 Gly Leu Ile Trp Arg Asp Arg Phe Tyr His His Pro
 115 120

<210> 221
 <211> 87

<212> PRT
<213> Homo sapiens

<400> 221

Met Thr Trp Ser Phe Cys Phe Ala Leu Phe Cys Phe Val Leu Phe Phe
1 5 10 15
Ala Ala Ser Leu Ile Gly Tyr Ile Leu Leu Pro Ser Ala Ser Pro Arg
20 25 30
Asn His Arg Arg Pro Asn Asn Glu Ala Arg Val Gly Thr Pro Gly Gln
35 40 45
Leu Asp Asp Glu Leu Lys Gly Arg Gln Pro Leu Ala Ser Arg Leu Glu
50 55 60
Thr Ser Gln Cys Thr Gln Gly Leu Leu Ala Ser Arg Pro Ser Gly Val
65 70 75 80
Ser Lys Ala Leu Leu Tyr Pro
85

<210> 222
<211> 84
<212> PRT
<213> Homo sapiens

<400> 222

Met Glu Trp Gln Phe Gly Lys Pro Ser Phe Leu Leu Ser Leu Leu Met
1 5 10 15
Leu Leu Val Leu Glu Trp Lys Ala Leu Cys Gly Val Arg Leu Gly His
20 25 30
Leu Gly Leu Gln Val Pro Asn Pro Ser Leu Lys Ser Thr Cys Leu Trp
35 40 45
Pro Leu Arg Ser Leu Cys Pro Trp Arg Leu Tyr Pro Ile Lys Ile Met
50 55 60
Ile Ser Leu Pro Leu Pro Ser Leu Gln Leu Pro Ser Ser Pro His Arg
65 70 75 80
Pro Phe Gln Leu

<210> 223
<211> 76
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 223

Met Pro Leu Pro Pro Lys Trp Pro Pro Leu Leu Thr Ala Leu Leu Cys
1 5 10 15
His Leu Leu Ser Thr Ser Ser Pro Leu Leu Ile Ile Leu Pro Asn His
20 25 30
Arg Ser Asp His Pro Leu Thr Asp Leu Ser Xaa Leu Ser Ile Ala Tyr
35 40 45
Lys Asn Glu Asn Gln Thr Thr Glu Leu Ser Met Thr Val Lys Ala Leu
50 55 60
His Leu Ala Ser Ile Tyr Cys Ile Leu His Ala Ser
65 70 75

<210> 224

<211> 142

<212> PRT

<213> Homo sapiens

<400> 224

Met Leu Trp Thr Thr Leu Thr Gly Val Ser Leu Ala Leu Phe Pro Val
1 5 10 15
Ala Gln Ala Pro Thr Ala Leu Val Ala Leu Ala Val Ala Tyr Gly Phe
20 25 30
Thr Ser Gly Ala Leu Ala Pro Leu Ala Phe Ser Val Leu Pro Glu Leu
35 40 45
Ile Gly Thr Arg Arg Ile Tyr Cys Gly Leu Gly Leu Leu Gln Met Ile
50 55 60
Glu Ser Ile Gly Gly Leu Leu Gly Pro Pro Leu Ser Gly Tyr Leu Arg
65 70 75 80
Asp Val Thr Gly Asn Tyr Thr Ala Ser Phe Val Val Ala Gly Ala Phe
85 90 95
Leu Leu Ser Gly Ser Gly Ile Leu Leu Thr Leu Pro His Phe Phe Cys
100 105 110
Phe Ser Thr Thr Thr Ser Gly Pro Gln Asp Leu Val Thr Glu Ala Leu
115 120 125
Asp Thr Lys Val Pro Leu Pro Lys Glu Gly Leu Glu Glu Asp
130 135 140

<210> 225

<211> 84

<212> PRT

<213> Homo sapiens

<400> 225

Met Phe Leu Ser Gly Lys Pro Gly Glu Ser Tyr Leu Ser His Leu Pro

1	5	10	15
Cys Leu Phe	Phe Phe Phe Phe Phe Phe	Gly Trp Ser Cys Cys	Leu Asp
	20	25	30
Asp Ala Phe	Thr Met Gln Glu Arg Val	Phe Val Lys Asp	Ile Phe Glu
	35	40	45
Asp Trp Leu	Phe His Ile Val Leu His	Ser Leu Thr	Val Ala Lys Cys
	50	55	60
Thr Val Asp	Phe His Asp His Cys Ile	Phe Leu Val	Ile Glu Met Tyr
	65	70	75
			80
Leu Leu Cys Phe			

<210> 226
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 226
Met Phe Pro Ile Leu Ser Ile Thr Thr Leu Ser Ile Leu Ala Phe Phe
1 5 10 15
Leu Trp Leu Ser Val Thr Ser His Phe Tyr Arg Gln Lys Thr Gly Phe
20 25 30
His His Ser Pro Ser Phe Tyr Leu Ile Val Gln Ile Trp Asp Thr Tyr
35 40 45
Ala Asp Ile Val Ala Ser Glu Tyr Val Phe Pro Trp Arg Lys Thr Leu
50 55 60
Ser Ser Arg Glu Gln Cys Leu Ser Val Val Pro Val Ala Phe Ser Leu
65 70 75 80
Ile Asp Phe Ile Ser Lys Val Ser
85

<210> 227
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 227
Met Met Pro Thr Tyr Ala Ile Cys Met Val Leu Val Phe Leu Leu Leu
1 5 10 15
Val His Leu His Ile Ile Asn Thr Asn Thr His Thr His Thr His Thr
20 25 30
His Thr His Thr Gly Leu Leu Pro Glu Pro Tyr Met Leu Tyr Phe Gln
35 40 45

Phe Leu Ser Val Leu Arg Gly Tyr Ile Leu Ser Arg Trp Thr Asp Arg
 50 55 60
 Glu Tyr Thr Trp Ile Ser Thr Lys Ile Tyr Ser Pro Asn Ser Pro Glu
 65 70 75 80
 Pro Pro Ala Ser Cys Pro Ser Pro Thr Gln Ser Ile Ser Arg His Ala
 85 90 95
 Val Gln Gly Ser Thr Phe Leu Lys Ala Gln Leu Pro Thr Ser Glu Gln
 100 105 110
 Val Gln Ile His Pro Leu His Pro Pro Ile His Leu Ser Pro Leu
 115 120 125

<210> 228
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 228
 Met Thr Ser Leu Ala Arg Leu Pro Cys Ser Tyr Leu Cys Leu Pro Cys
 1 5 10 15
 Gln Leu Ser Ser Cys Cys Ala Phe Ser Gln Pro Ile Ser Ala Leu Leu
 20 25 30
 Pro Ser Pro Ser Thr Pro Val Leu Leu Ser Ala Pro Arg Pro Ser Ser
 35 40 45
 Gln Gly Val Pro Gly Thr Arg Ser Glu Phe Pro Ser Thr Pro Phe Cys
 50 55 60
 Leu Pro Ser Phe Pro Arg Glu Ser Phe Leu Asp Ser Phe His Leu Val
 65 70 75 80
 Ser Ser His

<210> 229
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Ala Lys Ala Pro Phe Tyr His Leu Leu Phe Cys Phe Gly Ile Trp
 1 5 10 15
 Ser Asp Ser Tyr Ser Ser Leu Gly Leu Ala Gln Trp Arg Asn Trp Cys
 20 25 30
 Ser Tyr Cys Thr Gly Leu Cys Thr Pro Cys Asn Cys Asp Val Tyr Asp
 35 40 45
 Cys Ser Ser Cys Phe Pro Ile Leu His Phe Gln Ser Pro Arg Ala Val
 50 55 60

Leu Ser Arg Ile Thr Ser Thr Val Asn Gln Arg Arg Asp Cys Thr Thr
 65 70 75 80

Arg His Val Cys Trp Glu Arg Arg Lys Gly Glu Lys Pro Trp Pro Lys
 85 90 95

Gln Ser Ile Pro Gln Ile Leu Arg His Ser Phe Val Tyr Leu Val Phe
 100 105 110

His His

<210> 230

<211> 81

<212> PRT

<213> Homo sapiens

<400> 230

Met Arg Trp Arg Lys Pro Leu Cys Leu Trp Cys Leu Leu Thr Gln Gly
 1 5 10 15

Glu Thr Glu Ala Gln Ala Gly Gln Pro Leu Ala Trp Gly Gly Gly Trp
 20 25 30

Val Val Leu Arg Pro Val Thr Ser Pro Leu Gln His Pro Pro Val Asp
 35 40 45

Pro Leu Pro Ala Pro Ala Arg Pro Glu Ser Cys Ser Gln Ala Gln Thr
 50 55 60

Leu Ala Cys Pro Ser Gly Asp Ala Gly Gln Tyr Ser Ser Leu Gln Pro
 65 70 75 80

Ser

<210> 231

<211> 273

<212> PRT

<213> Homo sapiens

<400> 231

Met Thr Ser Gly Pro Arg Gly Val Val His Phe Tyr Gly Tyr Ser Val
 1 5 10 15

Val Ser Thr Leu Ala Leu Leu Val Ser Ile Ala Phe Pro Ile Pro Ile
 20 25 30

Cys Gln Gln Trp Glu Pro Ser Tyr Lys Arg Val Lys Ala Leu Ser Ile
 35 40 45

Val Gly Gly Asp Pro His Leu Ile Leu Leu Ala Ser Thr Thr Val Leu
 50 55 60

Val Gly Ala Ile Val Ser Thr Val Gln Asn Phe Leu Phe Trp His Met

65		70		75		80
Lys Asp His Gly Ser Gly Glu Leu Val Met Gly Phe Ser Val Ala Leu						
	85			90		95
Ser Leu Leu Gly Glu Ile Leu Leu His Pro Phe Lys Ala Thr Leu Leu						
	100		105		110	
Arg Lys Leu Ser Arg Thr Gly Leu Val Gly Leu Gly Leu Ser Cys Leu						
	115		120		125	
Ala Gly Gln Leu Leu Tyr Tyr Ser Phe Leu Trp Ser Trp Trp Ser Val						
	130		135		140	
Leu Pro Ile Gln Ile Leu Ser Ala Ile Ser Asn Arg Ala Leu Trp Trp						
145		150		155		160
Ala Val Gly Ala Ser Val Glu Asp Leu Ala Thr Pro Arg Met Glu Arg						
	165		170		175	
Ala Leu Ser Ala Leu Phe Arg Gly His Phe Tyr Gly Ser Gly Cys Ser						
	180		185		190	
Leu Gly Ser Phe Val Gly Gly Phe Val Val Met Arg Phe Ser Leu Ala						
	195		200		205	
Val Leu Tyr Gln Ala Cys Cys Val Ala Leu Leu Leu Trp Leu Ala Leu						
	210		215		220	
Leu Leu Ser Ile Gln Arg Arg Leu Pro Arg Glu Arg Lys Ile Lys Tyr						
225		230		235		240
Ser Lys Leu Leu Ser Met Glu Val Ser Asp Thr Ser Asp Ser Glu Gln						
	245		250		255	
Gly Thr Glu Gln Asp Trp Leu Val Lys Ala Met Arg Glu Glu His Ser						
	260		265		270	

Asp

<210> 232
 <211> 112
 <212> PRT
 <213> Homo sapiens

<400> 232
 Met Ala Ser Pro Ala Pro Ala Cys Leu Gly Ser Leu Leu Ser Trp Thr
 1 5 10 15
 Val Cys Gly Trp Gly Glu Val Val Ser Gly Pro Pro Cys Ala Val Ser
 20 25 30
 Ala Trp Gly Cys Ser Trp Ala Thr Trp Val Thr Pro Ser Val Val Val
 35 40 45
 Gln Leu Ala Pro Ser Gly Ala Val Gln Thr Pro Leu Ser Pro Glu Leu
 50 55 60

Leu Val Ile Ser Phe Gln Leu His Ala Ala Pro Leu Gly Gln Phe Tyr
 65 70 75 80
 Phe Pro Ile Leu Gln Met Gly Lys Glu Lys Leu Arg Leu Arg Asn Met
 85 90 95
 Pro Lys Glu Ala Pro Val Pro Val Phe Cys Phe Val Leu Phe Cys Phe
 100 105 110

<210> 233
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 233
 Met Gly Gln Leu Cys His Ser Pro Ser Cys Leu Pro Ser Gly Ala Phe
 1 5 10 15
 Cys Leu Leu Leu Ser Ser Val Leu Gly Ile Ile Val Leu Asn Ser Thr
 20 25 30
 Asp Thr Ile Ser Ser Ser His Pro Pro Leu Ser Ser Asn Leu Pro Ser
 35 40 45
 Trp Gly Tyr Thr Thr Thr Lys Ala His Leu Ser Leu Gly Leu Val Gly
 50 55 60
 Phe Ala Gly Lys Glu Asn Met Lys Glu Leu Tyr Val Glu Ser Ser Arg
 65 70 75 80
 Ser Phe

<210> 234
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 234
 Met Ile Glu Asp Thr Met Thr Leu Leu Ser Leu Leu Gly Arg Ile Met
 1 5 10 15
 Arg Tyr Phe Leu Leu Arg Pro Glu Thr Leu Phe Leu Leu Cys Ile Ser
 20 25 30
 Leu Ala Leu Trp Ser Tyr Phe Phe His Thr Asp Glu Val Lys Thr Ile
 35 40 45
 Val Lys Ser Ser Arg Asp Ala Val Lys Met Val Lys Gly Lys Val Ala
 50 55 60
 Glu Ile Met Gln Asn Asp Arg Leu Gly Gly Leu Asp Val Leu Glu Ala

65		70		75		80									
Glu	Phe	Ser	Lys	Thr	Trp	Glu	Phe	Lys	Asn	His	Asn	Val	Gly	Gly	Val
				85					90				95		
Leu	His	Pro	Gly	Pro	Glu	Arg	Pro	His	Gly	Gly	Pro	Leu	Arg	Ser	Ser
			100					105				110			
His	Gly	Ser	Gly	Gln	Gln	Asp	Ala	Pro	Val	His	Leu	Arg	Asp	Leu	Arg
		115					120					125			
Arg	Ala	Arg	Gly	Arg	Asp	Cys	Ser								
		130				135									

<210> 235
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 235															
Met	Lys	Ser	Lys	Phe	Cys	Phe	Ala	Ser	Pro	Met	Arg	Leu	Pro	Lys	Ala
1				5					10					15	
Leu	Leu	Ala	Phe	Ser	Ala	Cys	Trp	Gln	Leu	Leu	Ser	Ala	Trp	Leu	Leu
			20					25					30		
Thr	Phe	Leu	Pro	Thr	Leu	Leu	Thr	Asn	Gln	Lys	Lys	Ser	Gln	Glu	
		35					40					45			

<210> 236
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 236															
Met	Phe	Tyr	Leu	Thr	His	Pro	Ile	Lys	Asn	Phe	Asn	Met	Ser	Ser	Arg
1				5					10					15	
Lys	Lys	Lys	Cys	Ala	Phe	Tyr	Ile	Ile	Leu	Leu	Leu	Leu	Ser	Leu	Ser
			20					25					30		

Pro Gly Thr Trp Phe Thr Pro Thr Pro Thr Pro Gln Leu Thr Leu Ala
35 40 45

Val Trp Gln Val Pro Ser Gly His Leu Xaa Arg Ala Leu Cys Ile Gln
50 55 60

Cys Cys Pro Pro Ala Val Ala Gly Ala Val Gly Ala Ser Asp Lys Met
65 70 75 80

His Pro Gln Pro Trp Gln Cys Leu Gln Ser Cys Pro Phe Val Asn Ser
85 90 95

Gly Pro Xaa His Pro His Ala Arg Pro Xaa Thr Ala Trp Asp Ala Cys
100 105 110

Ala Gly Gly Arg Ala Phe Leu Val Arg His
115 120

<210> 237
<211> 90
<212> PRT
<213> Homo sapiens

<400> 237

Met Trp Phe Lys Gly Gln Leu His Phe Phe Phe Leu Phe Phe Ser Phe
1 5 10 15

Leu Thr Phe Leu Phe Ser Ser Leu Phe Ser Ser Leu Leu Phe Leu Ser
20 25 30

Phe Leu Phe Phe Pro Phe Phe Leu Ser Gln Gly Phe Ile Leu Ser His
35 40 45

Arg Leu Glu Tyr Asn Gly Ile Gly Ser Leu Gln Pro Gln Thr Pro Arg
50 55 60

Leu Lys Pro Ser Ser Gly Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg
65 70 75 80

Cys Ala Pro Leu Pro His Ser Ala Asn Phe
85 90

<210> 238
<211> 33
<212> PRT
<213> Homo sapiens

<400> 238

Met Pro Asn Ser Leu Leu Gly Val Phe Phe Cys Phe Val Leu Phe Cys
1 5 10 15

Phe Val Leu Phe Cys Leu Ile Gln Ser Phe Thr Leu Ser Pro Arg Leu
20 25 30

Glu

<210> 239
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 239
 Met Cys His His Ala Gln Leu Ile Phe Val Leu Leu Val Glu Thr Gly
 1 5 10 15
 Phe Cys His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser His Asp
 20 25 30
 Leu Arg Thr
 35

<210> 240
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 240
 Met Leu Thr Asn Arg Ala Pro Ser Ser Phe Val Trp Phe Leu Cys Leu
 1 5 10 15
 Ala Cys His Leu Pro Ser Cys Pro Ser Ala Thr Glu Glu Phe Ala Val
 20 25 30
 Phe Ile Pro Lys Tyr His Ser Ser Arg Met Gly Ala Ala Pro Cys His
 35 40 45
 Val Leu Gly His Gly Gly Ile Lys Gly Asn Thr Cys Gln Asp Asn Ala
 50 55 60
 Gly Tyr Asp Phe Cys Arg Pro Leu Gly Leu Ala Ser Phe Leu Lys Arg
 65 70 75 80
 Gln Asp

<210> 241
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 241
 Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
 1 5 10 15
 Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
 20 25 30
 Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
 35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
 50 55 60
 Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
 65 70 75 80
 Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
 85 90 95
 Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
 100 105 110
 Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
 115 120 125
 Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
 130 135 140
 Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn Tyr Lys Pro
 145 150 155 160
 Ala Leu Ser Phe Ile Asn Pro Glu Val Pro Asp Glu Asn Asn Phe Asp
 165 170 175
 Thr Leu Met Lys Thr Ser Asp Gly Phe Thr Leu Asn Ala Glu Tyr Met
 180 185 190
 Phe Pro Ser Gln Pro Asn Trp Ile Phe Leu Leu Leu Leu Asn Met Ser
 195 200 205
 Met Gly Phe Leu Cys Arg Leu Gln Ile Arg Phe
 210 215

<210> 242
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 242

Met Gly Leu Ile Val Val Leu Leu Phe Pro Asn Leu Cys Met Cys Thr
 1 5 10 15

Phe His Ala Gly Gly Phe Gln Cys Val Leu Trp Met Ala Gly Leu Lys
 20 25 30

Arg Arg Val Pro Leu His Ser Leu Arg Tyr Phe Ile Ser Met Val Gly
 35 40 45

Leu Phe Ser Lys Pro Gly Leu Leu Pro Trp Tyr Ala Arg Asn Pro Pro
 50 55 60

Gly Trp Ser Gln Leu Phe Leu Gly Thr Val Cys Lys Gly Asp Phe Thr
 65 70 75 80

Arg Val Ile Ala Thr Lys Cys Gln Lys Gly Gln Lys Ser Gln Lys Lys
 85 90 95

Pro Ser His Leu Gly Pro Leu Asp Gly Ser Trp Gln Glu Arg Leu Ala
 100 105 110
 Asp Val Val Thr Pro Leu Trp Arg Leu Ser Tyr Glu Glu Gln Leu Lys
 115 120 125
 Val Lys Phe Ala Ala Gln Lys Lys Ile Leu Gln Arg Leu Glu Ser Tyr
 130 135 140
 Ile Gln Met Leu Asn Gly Val Ser Val Thr Thr Ala Val Pro Lys Ser
 145 150 155 160
 Glu Arg Leu Ser Cys Leu Leu His Pro Ile Ile Pro Leu Ser Cys His
 165 170 175
 Gln Trp Leu Pro Lys
 180

<210> 243
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 243
 Met Ser Asn Thr Asn Gly Ser Ala Ile Thr Glu Phe Ile Leu Leu Gly
 1 5 10 15
 Leu Thr Asp Cys Pro Glu Leu Gln Ser Leu Leu Phe Val Leu Phe Leu
 20 25 30
 Val Val Tyr Leu Val Thr Leu Leu Gly Asn Leu Gly Met Ile Met Leu
 35 40 45
 Met Arg Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Thr
 50 55 60
 Asn Leu Ala Phe Val Asp Leu Cys Tyr Thr Ser Asn Ala Thr Pro Gln
 65 70 75 80
 Met Ser Thr Asn Ile Val Ser Glu Lys Thr Ile Ser Phe Ala Gly Cys
 85 90 95
 Phe Thr Gln Cys Tyr Ile Phe Ile Ala Leu Leu Leu Thr Glu Phe Tyr
 100 105 110
 Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
 115 120 125

<210> 244
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 244
 Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
 1 5 10 15

Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
 20 25 30
 Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
 35 40 45
 Ser Thr Asn Leu Lys Ala Phe Thr Ala Val Ser Cys Asn Val Gly Gly
 50 55 60
 Leu His Leu Gly Leu Gln Gly Pro Trp Glu Ser Ser Arg Thr Pro Arg
 65 70 75 80
 Pro Cys Leu Asn Cys Ala Ile Asn Phe Gln Ser Tyr His Glu Pro Thr
 85 90 95
 Ser Pro His Arg Ala Ser Val Ala Thr Met Trp Ala Ser Pro Val Gln
 100 105 110
 Thr Thr Glu His Ser Thr Met Thr Gly His Ser Tyr Lys Ser Arg Asp
 115 120 125
 His Gln Ser Cys
 130

<210> 245
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 245
 Met Ser Gly Leu Ser Arg Pro Leu Leu Leu Ala Val Gly Cys Leu Ala
 1 5 10 15
 Ala Leu Cys Val Ile Thr Ala Ala Gly Asn Thr Thr Leu Ala Pro Asn
 20 25 30
 Val Thr Thr Ala Ser Ser Pro Pro Pro Thr Thr Thr Thr Val Pro Val
 35 40 45
 Ser Pro Thr Thr Leu Ser Pro Leu Pro Val Thr Thr Pro Ala Pro Asp
 50 55 60
 Ile Cys Gly Ser Arg Asn Ser Cys Val Ser Cys Val Asp Gly Asn Ala
 65 70 75 80
 Thr Cys Phe Trp Ile Glu Cys Lys Gly Lys Ser Tyr Cys Ser Asp Asn
 85 90 95
 Ser Thr Ala Gly Asp Cys Lys Val Val Asn Thr Thr Gly Phe Cys Ser
 100 105 110
 Ala Lys Thr Thr Thr Leu Pro Ser Thr Thr Thr Thr Ser Thr Thr Ala
 115 120 125
 Thr Thr Ser Gly Thr Thr Asn Thr Thr Leu Ser Pro Thr Ile Gln Pro
 130 135 140

Thr Arg Lys Ser Thr Phe Asp Ala Ala Ser Phe Ile Gly Gly Ile Val
 145 150 155 160

Leu Val Leu Gly Val Gln Ala Val Ile Phe Phe Leu Tyr Lys Phe Cys
 165 170 175

Lys Ser Lys Glu Arg Asn Tyr His Thr Leu
 180 185

<210> 246
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 246
 Met Leu Val Pro Ala Ala Leu Thr Gly Leu Leu Val Phe Leu Ser Gly
 1 5 10 15

Phe Ser Leu Phe Glu Ala Ser Gln Ile Ser Lys Glu Ile Cys Glu Ala
 20 25 30

His Asp Ile Leu Met Cys Pro Leu Gly Asp His Ser Arg Arg Tyr Gln
 35 40 45

Arg Leu Ser Glu Thr Cys Thr Phe Ala Lys Leu Thr His Leu Phe Asp
 50 55 60

Asn Asp Gly Thr Val Val Phe Ala Ile Phe Met Ala Leu Trp Ala Thr
 65 70 75 80

Val Phe Leu Glu Ile Trp Lys Arg Gln Arg Ala Arg Val Val Leu His
 85 90 95

Trp Asp Leu Tyr Val Trp Asp Glu Glu Gln Val Arg Trp Ser Trp Gln
 100 105 110

Arg Ser

<210> 247
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 247
 Met Ser Arg Cys Thr Trp Pro Ser Phe Ser Phe Phe Leu Ser Ser Phe
 1 5 10 15

Leu Ser Phe Phe Arg Trp Ser Leu Ala Leu Ser Ala Arg Leu Glu Gly
 20 25 30

Ser Gly Val Ile Leu Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser
 35 40 45

Asp Ser Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser
 50 55 60

Arg Cys Ala Asp Val His Leu Val Ser Ile Ile Thr Lys Ala His Leu
65 70 75 80

Val Ser Trp Pro Leu Gln Met Asn Ile Leu Pro
85 90

<210> 248

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 248

Met Val Phe Pro Leu Leu Cys Val Phe Val Leu Ile Ser Ser Ser Leu
1 5 10 15

Ala Gly Glu Glu Ala Ala Gly Leu Arg Val Gln Lys Leu Trp Pro Ala
20 25 30

Xaa Xaa Leu Ser His Leu Pro Val Cys Trp Phe His Cys Ser Gly Ile
35 40 45

Trp Ser Glu Xaa Ile Glu Leu Lys Val Gly Trp Glu Gly His Val Leu
50 55 60

Pro Trp Gln Ala His Val Val Glu Phe
65 70

<210> 249

<211> 118

<212> PRT

<213> Homo sapiens

<400> 249

Met His Cys His Cys Arg Val Trp Gly Phe Arg Trp Phe Leu Gly Asp
1 5 10 15

Trp Glu Leu Leu Val Cys Met Cys Trp Val His Ala Ser Gly Ser Gln
20 25 30

Leu Pro Gln Ala Arg Thr Gly Asn Pro Phe Pro Ser Lys Ala Ile Gly

35 40 45
 Gly Ala Ser Leu Glu Ser Phe Ala Lys Ser Pro Arg Gln Asn Pro Arg
 50 55 60
 Val Gln Asp His Phe His Gly Ala His Val Phe Leu Phe Cys Arg Asn
 65 70 75 80
 Phe Phe Leu Thr Ser Thr His His Asn Ser Glu Gly His Val Ser Ser
 85 90 95
 Phe Leu Asp His Tyr Ser Glu Val Leu Gln Leu Tyr Ser Ser Gln Ser
 100 105 110
 Gly Leu Gly Leu Leu Gly
 115

<210> 250
 <211> 466
 <212> PRT
 <213> Homo sapiens

<400> 250
 Met Phe Gly Thr Leu Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
 1 5 10 15
 Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
 20 25 30
 Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg
 35 40 45
 Tyr Phe Tyr Ile Gln Ala Val Asp Thr Ser Gly Asn Lys Phe Thr Ser
 50 55 60
 Ser Pro Gly Glu Lys Val Phe Gln Val Lys Val Ser Ala Pro Glu Glu
 65 70 75 80
 Gln Phe Thr Arg Val Gly Val Gln Val Leu Asp Arg Lys Asp Gly Ser
 85 90 95
 Phe Ile Val Arg Tyr Arg Met Tyr Ala Ser Tyr Lys Asn Leu Lys Val
 100 105 110
 Glu Val Lys Phe Gln Gly Gln His Val Ala Lys Ser Pro Tyr Ile Leu
 115 120 125
 Lys Gly Pro Val Tyr His Glu Asn Cys Asp Cys Pro Leu Gln Asp Ser
 130 135 140
 Ala Ala Trp Leu Arg Glu Met Asn Cys Pro Glu Thr Ile Ala Gln Ile
 145 150 155 160
 Gln Arg Asp Leu Ala His Phe Pro Ala Val Asp Pro Glu Lys Ile Ala
 165 170 175
 Val Glu Ile Pro Lys Arg Phe Gly Gln Arg Gln Ser Leu Cys His Tyr
 180 185 190

Thr Leu Lys Asp Asn Lys Val Tyr Ile Lys Thr His Gly Glu His Val
 195 200 205
 Gly Phe Arg Ile Phe Met Asp Ala Ile Leu Leu Ser Leu Thr Arg Lys
 210 215 220
 Val Lys Met Pro Asp Val Glu Leu Phe Val Asn Leu Gly Asp Trp Pro
 225 230 235 240
 Leu Glu Lys Lys Lys Ser Asn Ser Asn Ile His Pro Ile Phe Ser Trp
 245 250 255
 Cys Gly Ser Thr Asp Ser Lys Asp Ile Val Met Pro Thr Tyr Asp Leu
 260 265 270
 Thr Asp Ser Val Leu Glu Thr Met Gly Arg Val Ser Leu Asp Met Met
 275 280 285
 Ser Val Gln Ala Asn Thr Gly Pro Pro Trp Glu Ser Lys Asn Ser Thr
 290 295 300
 Ala Val Trp Arg Gly Arg Asp Ser Arg Lys Glu Arg Leu Glu Leu Val
 305 310 315 320
 Lys Leu Ser Arg Lys His Pro Glu Leu Ile Asp Ala Ala Phe Thr Asn
 325 330 335
 Phe Phe Phe Phe Lys His Asp Glu Asn Leu Tyr Gly Pro Ile Val Lys
 340 345 350
 His Ile Ser Phe Phe Asp Phe Phe Lys His Lys Tyr Gln Ile Asn Ile
 355 360 365
 Asp Gly Thr Val Ala Ala Tyr Arg Leu Pro Tyr Leu Leu Val Gly Asp
 370 375 380
 Ser Val Val Leu Lys Gln Asp Ser Ile Tyr Tyr Glu His Phe Tyr Asn
 385 390 395 400
 Glu Leu Gln Pro Trp Lys His Tyr Ile Pro Val Lys Ser Asn Leu Ser
 405 410 415
 Asp Leu Leu Glu Lys Leu Lys Trp Ala Lys Asp His Asp Glu Glu Ala
 420 425 430
 Lys Lys Ile Ala Lys Ala Gly Gln Glu Phe Ala Arg Asn Asn Leu Met
 435 440 445
 Gly Asp Asp Ile Phe Cys Tyr Tyr Phe Lys Leu Phe Gln Thr Lys Asp
 450 455 460
 Glu Leu
 465

<210> 251

<211> 62

<212> PRT

<213> Homo sapiens

<400> 251

Met Thr Cys Gln Leu Leu Phe Asn Ser Phe Leu Leu Ser Ser Val Ser
1 5 10 15
Gln Ile Arg Asp Gln Ile Ala Met Arg Glu Ser Val Trp Ser Gly Ser
20 25 30
Ile Ser Arg Gln Lys Glu Leu Val Thr Leu Trp Ile Ile Cys Leu Trp
35 40 45
Phe Arg His Leu Pro Leu Val Leu Ala Val Gly Asp Gly Trp
50 55 60

<210> 252

<211> 306

<212> PRT

<213> Homo sapiens

<400> 252

Met Gly His Arg Thr Leu Val Leu Pro Trp Val Leu Leu Thr Leu Cys
1 5 10 15
Val Thr Ala Gly Thr Pro Glu Val Trp Val Gln Val Arg Met Glu Ala
20 25 30
Thr Glu Leu Ser Ser Phe Thr Ile Arg Cys Gly Phe Leu Gly Ser Gly
35 40 45
Ser Ile Ser Leu Val Thr Val Ser Trp Gly Gly Pro Asp Gly Ala Gly
50 55 60
Gly Thr Thr Leu Ala Val Leu His Pro Glu Arg Gly Ile Arg Gln Trp
65 70 75 80
Ala Pro Ala Arg Gln Ala Arg Trp Glu Thr Gln Ser Ser Ile Ser Leu
85 90 95
Ile Leu Glu Gly Ser Gly Ala Ser Ser Pro Cys Ala Asn Thr Thr Phe
100 105 110
Cys Cys Lys Phe Ala Ser Phe Pro Glu Gly Ser Trp Glu Ala Cys Gly
115 120 125
Ser Leu Pro Pro Ser Ser Asp Pro Gly Leu Ser Ala Pro Pro Thr Pro
130 135 140
Ala Pro Ile Leu Arg Ala Asp Leu Ala Gly Ile Leu Gly Val Ser Gly
145 150 155 160
Val Leu Leu Phe Gly Cys Val Tyr Leu Leu His Leu Leu Arg Arg His
165 170 175
Lys His Arg Pro Ala Pro Arg Leu Gln Pro Ser Arg Thr Ser Pro Gln
180 185 190

Ala Pro Arg Ala Arg Ala Trp Ala Pro Ser Gln Ala Ser Gln Ala Ala
195 200 205

Leu His Val Pro Tyr Ala Thr Ile Asn Thr Ser Cys Arg Pro Ala Thr
210 215 220

Leu Asp Thr Ala His Pro His Gly Gly Pro Ser Trp Trp Ala Ser Leu
225 230 235 240

Pro Thr His Ala Ala His Arg Pro Gln Gly Pro Ala Ala Trp Ala Ser
245 250 255

Thr Pro Ile Pro Ala Arg Gly Ser Phe Val Ser Val Glu Asn Gly Leu
260 265 270

Tyr Ala Gln Ala Gly Glu Arg Pro Pro His Thr Gly Pro Gly Leu Thr
275 280 285

Leu Phe Pro Asp Pro Arg Gly Pro Arg Ala Met Glu Gly Pro Leu Gly
290 295 300

Val Arg
305

<210> 253
<211> 191
<212> PRT
<213> Homo sapiens

<400> 253
Met Gly Trp Ser Arg Gly Glu Gly Gln Gln Gly Trp Leu Ala Ala Ala
1 5 10 15

Leu Cys Gly Trp Thr Arg Leu Gly Lys Ala Glu Gly Ser Glu Gly Trp
20 25 30

Ala Thr Leu Glu Gly Cys Gln Val Pro Ser Leu Leu Gln Gly Asn Glu
35 40 45

Gly Gly Ala Ala Leu Asn Arg His Met Pro Lys Gln Gly Ile Asp Ala
50 55 60

Trp Ile Lys Leu Ala Thr Thr Arg Arg Ser Leu Phe Gly Ile Phe Gln
65 70 75 80

Ile Leu Arg His Pro Ser Cys Asp Asp Gly Val Glu Arg Gly Thr Gly
85 90 95

Pro Leu Glu Phe Cys Gly Leu His Arg His Ser Ala Gly Ile Trp Thr
100 105 110

Cys Arg Leu Val Gly Pro Ala Gly Ser Leu Leu Pro Ala Leu Leu Arg
115 120 125

Gly Arg Gly Gln Leu Gly Gly Arg Gly Leu Ala Glu Lys Gln Lys Asn
130 135 140

Met Gly Cys Gly Ala Pro Ser Ala Ala Arg Gly Ser Asn Pro Ser Ser

145 150 155 160
 Ser Met Trp Glu Pro Ser Thr Pro Gly Ser Leu Ser Gln Pro Cys Leu
 165 170 175
 Gly Pro Gly Trp Glu Asn Pro Thr Pro Gln Gly Cys Gly Glu Gly
 180 185 190

<210> 254

<211> 146

<212> PRT

<213> Homo sapiens

<400> 254

Met Arg Leu Phe Val Ser Val Thr Val Leu Val Ile Cys Leu Ala Asp
 1 5 10 15
 Leu Glu Glu Glu Ser Glu Ser Trp Asp Asn Ser Glu Ser Glu Glu Glu
 20 25 30
 Glu Lys Ala Pro Val Leu Pro Glu Ser Thr Glu Gly Arg Glu Leu Thr
 35 40 45
 Gln Gly Pro Ala Glu Ser Ser Ser Leu Ser Gly Cys Gly Ser Trp Gln
 50 55 60
 Pro Arg Lys Leu Pro Val Phe Lys Ser Leu Arg His Met Arg Gln Val
 65 70 75 80
 Gly Gly Arg Gly Thr Ala His Gln Glu Leu Arg Arg Arg Ala Asn His
 85 90 95
 Gly Leu Ser Leu Pro Thr Arg Leu Ala Ser Gly Pro Ser Thr Phe Lys
 100 105 110
 Thr Leu Gln Glu Val Thr Asp Ser Leu Leu Gly Gly Trp Leu Arg Ala
 115 120 125
 Gln Gly Val Gly Gly Ile Ser His Arg Ile Ser Ala Pro Leu Ser Val
 130 135 140

Met Thr
 145

<210> 255

<211> 777

<212> PRT

<213> Homo sapiens

<400> 255

Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile
 1 5 10 15
 Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln
 20 25 30

Asp	Ser	His	Glu	Asn	Leu	Lys	Asp	Phe	Lys	Gly	Asp	Leu	Ile	Lys	Val	355	360	365
Leu	Val	Trp	Ile	Leu	Val	Gln	Tyr	Cys	Ser	Lys	Arg	Pro	Gly	Met	Lys	370	375	380
Glu	Asn	Val	His	Asn	Thr	Glu	Asn	Lys	Gly	Lys	Ala	Pro	Leu	Met	Leu	385	390	395
Pro	Ala	Leu	Asn	Thr	Leu	Pro	Pro	Pro	Lys	Ser	Pro	Glu	Asp	Ile	Asp	405	410	415
Ser	Leu	Asn	Ser	Glu	Thr	Phe	Asn	Asp	Trp	Ser	Asp	Asp	Asn	Ile	Phe	420	425	430
Asp	Asp	Glu	Pro	Thr	Ile	Lys	Lys	Val	Ile	Glu	Glu	Lys	His	Gln	Leu	435	440	445
Lys	Asp	Leu	Pro	Gly	Thr	Asn	Leu	Phe	Ile	Pro	Gly	Ser	Val	Glu	Ser	450	455	460
Gln	Arg	Val	Gly	Asp	His	Ser	Thr	Gly	Thr	Val	Pro	Glu	Asn	Asp	Leu	465	470	475
Tyr	Lys	Ala	Val	Leu	Leu	Gly	Tyr	Pro	Ala	Val	Asp	Lys	Gly	Lys	Gln	485	490	495
Glu	Asp	Met	Pro	Tyr	Ile	Pro	Leu	Met	Glu	Phe	Ser	Cys	Ser	His	Ser	500	505	510
His	Leu	Val	Cys	Leu	Pro	Ala	Glu	Trp	Arg	Thr	Ser	Cys	Met	Pro	Ser	515	520	525
Ser	Lys	Met	Lys	Glu	Met	Ser	Ser	Leu	Phe	Pro	Glu	Asp	Trp	Tyr	Gln	530	535	540
Phe	Val	Leu	Arg	Gln	Leu	Glu	Cys	Tyr	His	Ser	Glu	Glu	Lys	Ala	Ser	545	550	555
Asn	Val	Leu	Glu	Glu	Ile	Ala	Lys	Asp	Lys	Val	Leu	Lys	Asp	Phe	Tyr	565	570	575
Val	His	Thr	Val	Met	Thr	Cys	Tyr	Phe	Ser	Leu	Phe	Gly	Ile	Asp	Asn	580	585	590
Met	Ala	Pro	Ser	Pro	Gly	His	Ile	Leu	Arg	Val	Tyr	Gly	Gly	Val	Leu	595	600	605
Pro	Trp	Ser	Val	Ala	Leu	Asp	Trp	Leu	Thr	Glu	Lys	Pro	Glu	Leu	Phe	610	615	620
Gln	Leu	Ala	Leu	Lys	Ala	Phe	Arg	Tyr	Thr	Leu	Lys	Leu	Met	Ile	Asp	625	630	635
Lys	Ala	Ser	Leu	Gly	Pro	Ile	Glu	Asp	Phe	Arg	Glu	Leu	Ile	Lys	Tyr	645	650	655
Leu	Glu	Glu	Tyr	Glu	Arg	Asp	Trp	Tyr	Ile	Gly	Leu	Val	Ser	Asp	Glu	660	665	670

Lys Trp Lys Glu Ala Ile Leu Gln Glu Lys Pro Tyr Leu Phe Ser Leu
 675 680 685
 Gly Tyr Asp Ser Asn Met Gly Ile Tyr Thr Gly Arg Val Leu Ser Leu
 690 695 700
 Gln Glu Leu Leu Ile Gln Val Gly Lys Leu Asn Pro Glu Ala Val Arg
 705 710 715 720
 Gly Gln Trp Ala Asn Leu Ser Trp Glu Leu Leu Tyr Ala Thr Asn Asp
 725 730 735
 Asp Glu Glu Arg Tyr Ser Ile Gln Ala His Pro Leu Leu Leu Arg Asn
 740 745 750
 Leu Thr Val Gln Ala Ala Glu Pro Pro Leu Gly Tyr Pro Ile Tyr Ser
 755 760 765
 Ser Lys Pro Leu His Ile His Leu Tyr
 770 775

<210> 256
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 256
 Met Glu Met Ala Ser Ser Ala Gly Ser Trp Leu Ser Gly Cys Leu Ile
 1 5 10 15
 Pro Leu Val Phe Leu Arg Leu Ser Val His Val Ser Gly His Ala Gly
 20 25 30
 Asp Ala Gly Lys Phe His Val Ala Leu Leu Gly Gly Thr Ala Glu Leu
 35 40 45
 Leu Cys Pro Leu Ser Leu Trp Pro Gly Thr Val Pro Lys Glu Val Arg
 50 55 60
 Trp Leu Arg Ser Pro Phe Pro Gln Arg Ser Gln Ala Val His Ile Phe
 65 70 75 80
 Arg Asp Gly Lys Asp Gln Asp Glu Asp Leu Met Pro Glu Tyr Lys Gly
 85 90 95
 Arg Thr Val Leu Val Arg Asp Ala Gln Glu Gly Ser Val Thr Leu Gln
 100 105 110
 Ile Leu Asp Val Arg Leu Glu Asp Gln Gly Ser Tyr Arg Cys Leu Ile
 115 120 125
 Gln Val Gly Asn Leu Ser Lys Glu Asp Thr Val Ile Leu Gln Val Ala
 130 135 140
 Ala Pro Ser Val Gly Ser Leu Ser Pro Ser Ala Val Ala Leu Ala Val
 145 150 155 160
 Ile Leu Pro Val Leu Val Leu Leu Ile Met Val Cys Leu Cys Leu Ile

	165		170		175										
Trp	Lys	Gln	Arg	Arg	Ala	Lys	Glu	Lys	Leu	Leu	Tyr	Glu	His	Val	Thr
			180					185					190		
Glu	Thr	Ile	Phe	Phe	Gln	Thr	Met	Leu	Lys	Lys	Lys	Glu	Asn	Ser	Ile
		195					200					205			
Lys	Leu	Ser	Arg	Asn	Ser	Gly	Val	Asn							
	210					215									

<210> 257
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 257

Met	Ser	His	Cys	Cys	Ser	Leu	Arg	Val	Asp	Phe	Ser	Val	Pro	Leu	Cys
1				5					10					15	
Met	Leu	Leu	Ser	Pro	Leu	Leu	Gly	Met	Ser	Phe	Ser	Ala	Cys	Gln	Thr
			20					25					30		
Pro	Ser	Lys	Ser	Ser	Ser	Asp	Val	Thr	Phe	Ser	Leu	Ser	Thr	Pro	Asp
		35					40					45			
Pro	Thr	Pro	Gln	Ile	Asp	Leu	Val	Gln	Pro	Ser	Ser	Gly	Phe	Pro	Gln
	50					55					60				
His	Ser	Val	Gln	Phe	Glu	Arg	Ser	Phe	Ile	Ile	Val	Ile	Ile	Thr	Phe
65					70				75						80
Phe	Lys	Asn	Asn	Phe	Ile	Phe	Ile	Asn	Leu	Ile	Arg	Leu			
				85					90						

<210> 258
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 258

Met	Leu	His	Ser	Leu	Ala	Leu	Ala	Glu	Phe	Cys	Arg	Asp	Trp	Gln	His
1				5					10					15	
Cys	Val	Pro	Ala	Cys	Ser	Pro	Thr	Val	Ala	Val	Leu	Phe	Pro	Arg	Val
			20					25					30		
Gln	Arg	Arg	Phe	Phe	Leu	Cys	Ala	Leu	Trp	Leu	Leu	Arg	Ala	His	Gly
		35					40					45			
Gly	Gly	Leu	Gly	Ser	Ala	Ile	Gln	Asp	Cys	Leu	Phe	Tyr	Pro	Leu	His
	50					55					60				
Cys	Leu	Phe	Gln	Gln	Tyr	Glu	Gly	Thr	Val	Ile	Ala	His	Met	Ile	Phe
65					70					75					80

Gly Ser Tyr Glu Gly Ala Phe Cys Val Gly Gly Cys Gln Ile Trp Cys
85 90 95
Ser Cys Arg Glu Asp Asn Arg Trp Arg Leu Leu Phe Gly His Ile Ala
100 105 110
Leu Pro Pro Ile Pro Ala Cys Phe Tyr Phe
115 120

<210> 259
<211> 113
<212> PRT
<213> Homo sapiens

<400> 259
Met Gly Ala Ala Trp Pro Arg Arg Ala Arg Ser Trp Trp Ile Arg Thr
1 5 10 15
Ser Thr Ala Ser Ser Pro Ser Pro Ser Ser Ser Ile Thr Leu Leu Trp
20 25 30
Thr Pro Cys Met Trp Ala Glu Ser Trp Ala Cys Cys Ser Ser Pro Thr
35 40 45
Tyr Thr Arg Thr Gly Lys Cys Ser Thr Asn Arg Thr Pro Arg Trp Pro
50 55 60
Pro Ala Leu Thr Ser Met Pro Arg Thr Ser Thr Phe Gln Gln Trp Leu
65 70 75 80
Ser Ser Pro Thr Phe Trp Trp Leu Val Leu Arg Trp Gly Pro Arg Ile
85 90 95
Gly Ser Pro Gln Thr Ser Trp Gly Cys Lys Arg Ala Gln Pro Trp Pro
100 105 110

Gly

<210> 260
<211> 215
<212> PRT
<213> Homo sapiens

<400> 260
Met Asn Lys Arg Ala Lys Phe Glu Leu Arg Lys Pro Leu Val Leu Trp
1 5 10 15
Ser Leu Thr Leu Ala Val Phe Ser Ile Phe Gly Ala Leu Arg Thr Gly
20 25 30
Ala Tyr Met Val Tyr Ile Leu Met Thr Lys Gly Leu Lys Gln Ser Val
35 40 45
Cys Asp Gln Gly Phe Tyr Asn Gly Pro Val Ser Lys Phe Trp Ala Tyr
50 55 60

Ala Phe Val Leu Ser Lys Ala Pro Glu Leu Gly Asp Thr Ile Phe Ile
 65 70 75 80
 Ile Leu Arg Lys Gln Lys Leu Ile Phe Leu His Trp Tyr His His Ile
 85 90 95
 Thr Val Leu Leu Tyr Ser Trp Tyr Ser Tyr Lys Asp Met Val Ala Gly
 100 105 110
 Gly Gly Trp Phe Met Thr Met Asn Tyr Gly Val His Ala Val Met Tyr
 115 120 125
 Ser Tyr Tyr Ala Leu Arg Ala Ala Gly Phe Arg Val Ser Arg Lys Phe
 130 135 140
 Ala Met Phe Ile Thr Leu Ser Gln Ile Thr Gln Met Leu Met Gly Cys
 145 150 155 160
 Val Val Asn Tyr Leu Val Phe Cys Trp Met Gln His Asp Gln Cys His
 165 170 175
 Ser His Phe Gln Asn Ile Phe Trp Ser Ser Leu Met Tyr Leu Ser Tyr
 180 185 190
 Leu Val Leu Phe Cys His Phe Phe Phe Glu Ala Tyr Ile Gly Lys Met
 195 200 205
 Arg Lys Thr Thr Lys Ala Glu
 210 215

 <210> 261
 <211> 84
 <212> PRT
 <213> Homo sapiens

 <400> 261
 Met Gly Asp Lys Glu Ser Ser Ser Ser Lys Pro Ser Leu Ala Gly Trp
 1 5 10 15
 Val Pro Leu Leu Leu Gly Gly Ala Phe Ser Cys Thr Pro Leu Pro Pro
 20 25 30
 Arg Gly Glu Ser Gln Gln Pro Asn Gln Thr Ala Gln Val Val His Leu
 35 40 45
 Met Glu Thr Thr Gly Leu Lys His Val Leu Tyr Ser Pro Val Tyr Phe
 50 55 60
 Cys Cys Tyr Phe Glu Ala Trp Lys Phe Leu Phe Gly Gly Ser Trp Gly
 65 70 75 80
 Tyr Ser Ser Gly

<210> 262

<211> 116
 <212> PRT
 <213> Homo sapiens

<400> 262

Met	Ala	Leu	Asp	Ile	Ser	Leu	Phe	Tyr	Leu	Phe	Tyr	Phe	Phe	Phe	Phe	1	5	10	15
Leu	Arg	Trp	Asn	Phe	Ser	Leu	Ile	Ala	Gln	Ala	Gly	Val	Gln	Trp	His	20	25	30	
Asp	Leu	Gly	Ser	Pro	Gln	Pro	Pro	Pro	Pro	Gly	Leu	Lys	Arg	Phe	Ser	35	40	45	
Phe	Leu	Gly	Leu	Pro	Ser	Ser	Trp	Asp	Tyr	Arg	His	Ala	Pro	Pro	Cys	50	55	60	
Pro	Ala	Asn	Phe	Val	Phe	Leu	Val	Glu	Met	Gly	Phe	Leu	His	Val	Gly	65	70	75	80
Gln	Ala	Gly	Leu	Glu	Leu	Pro	Thr	Ser	Gly	Gly	Pro	Pro	Ala	Trp	Ala	85	90	95	
Ser	Gln	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	Arg	Ala	Trp	Pro	Glu	100	105	110	
Asn	Ser	His	Phe													115			

<210> 263
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 263

Met	Leu	Ala	Met	Leu	Leu	Cys	Met	Leu	Val	Ser	Val	Phe	Ile	Leu	Gly	1	5	10	15
Val	Pro	Tyr	Arg	Gly	Ser	Leu	Leu	Ile	Leu	Phe	Phe	Ile	Ser	Ser	Leu	20	25	30	
Phe	Leu	Leu	Ser	Thr	Leu	Gly	Met	Gly	Leu	Leu	Ile	Ser	Thr	Ile	Thr	35	40	45	
Arg	Asn	Gln	Phe	Asn	Ala	Ala	Gln	Val	Ala	Leu	Asn	Ala	Ala	Phe	Leu	50	55	60	
Pro	Ser	Ile	Met	Leu	Ser	Gly	Phe	Ile	Phe	Gln	Ile	Asp	Ser	Met	Pro	65	70	75	80
Ala	Val	Ile	Arg	Ala	Val	Thr	Tyr	Ile	Ile	Pro	Ala	Arg	Tyr	Phe	Val	85	90	95	
Ser	Thr	Leu	Gln	Ser	Leu	Phe	Leu	Ala	Gly	Asn	Ile	Pro	Val	Val	Leu	100	105	110	
Val	Val	Asn	Val	Leu	Phe	Leu	Ile	Ala	Ser	Ala	Val	Met	Phe	Ile	Gly	115	120	125	

Leu Thr Trp Leu Lys Thr Lys Arg Arg Leu Asp
 130 135

<210> 264
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 264
 Met Gly Trp Gln Leu Arg Ala Leu Ser Ala Val Gly Leu Trp Phe Thr
 1 5 10 15
 Ala Gly Asp Ser His Leu Ser Val Gln Val Cys Gly Gly Gly Pro Ala
 20 25 30
 Leu Thr Leu Trp His Leu Arg Ser Ser Thr Pro Thr Thr Ile Phe Pro
 35 40 45
 Ile Arg Ala Pro Gln Lys His Val Thr Phe Tyr Gln Asp Leu Val Arg
 50 55 60
 Pro Cys Val Ser Leu Leu Pro Pro Pro Leu Thr Leu Pro Phe Ser Pro
 65 70 75 80
 Asp Pro

<210> 265
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 265
 Met Leu Cys His Ala Trp Leu Leu Leu Met Tyr Leu Phe Leu Glu Met
 1 5 10 15
 Arg Ser His Cys Val Ala Gln Thr Gly Leu Glu Leu Leu Ala Ser Ser
 20 25 30
 His Pro Pro Phe Ser Ala Ser Thr Val Ala Gly Ile Ser Gly Thr Cys
 35 40 45
 His Cys Ala Leu Leu Ile Pro Phe Lys Ile Arg
 50 55

<210> 266
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 266
 Met Ile His Leu Phe Leu Leu Pro Cys Pro Asn Cys Val Phe Leu Leu
 1 5 10 15

Leu His Leu Phe Phe Gln Gln Cys Ala Ala Ser Trp Thr Thr Ser
 20 25 30

<210> 267
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 267
 Met Thr Leu Leu Leu Thr Leu Glu Val Asp Ser Gly Thr Gln Gln Arg
 1 5 10 15
 Ala Gly Val Gly Ser Gln Gly Gln Ala Val Leu Pro Gly Leu Thr Cys
 20 25 30
 Phe Leu Leu Thr Phe Leu Leu Ala Ala Ser Val Tyr Ile Thr Gln Ser
 35 40 45
 Ala Trp Asp Asn Val Glu Val Ala Glu Val Thr Gly Tyr Phe Met Phe
 50 55 60
 Leu His Gly Ile Phe Leu Phe Leu Ile Gly Arg Arg Arg Gln Lys Leu
 65 70 75 80
 Glu Glu Met Gly Leu Leu Ser
 85

<210> 268
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 268
 Met Tyr Pro Val Tyr Thr Thr Ser Asp Phe Cys Ser Gly Thr Phe Val
 1 5 10 15
 Leu Ile Phe Ala Trp Leu Thr Leu Ser Glu Leu Val Arg Val Leu His
 20 25 30
 Arg Lys Ile Ile Asn Trp Phe Phe Ile Phe Leu Arg Arg Phe Tyr Tyr
 35 40 45
 Gly Glu Leu Ala Tyr Ala Asn Met Glu Thr Thr Met Cys His Leu Gln
 50 55 60
 Ala Gly Asp Pro Arg Gln Leu Val Val
 65 70

<210> 269
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 269

Met Tyr Ser Pro Ser Leu Tyr Leu Leu Pro Ser Leu Pro Ser Leu Leu
1 5 10 15

Gln Leu Ser Leu Ser Arg Ser Pro Arg Phe Asn Lys Gly Leu Gln Arg
20 25 30

Ala Met Glu Lys Thr Met Lys Gly Ser Thr Ile Lys Ile Leu Leu Tyr
35 40 45

Phe Phe His His Ile Tyr Ala Ser Leu His Thr Phe Ile Pro Leu Pro
50 55 60

Asn Pro Ser Ile Phe Leu Cys Ile Ser Lys Tyr Ile Ala Asp Ile Ser
65 70 75 80

Thr

<210> 270

<211> 52

<212> PRT

<213> Homo sapiens

<400> 270

Met Ser Lys Lys Ser Val Ser Tyr Lys Ile Arg Tyr Phe Ser Gln Ala
1 5 10 15

Trp Gln Leu Met Pro Val Ile Leu Val Leu Trp Glu Ala Glu Ala Gly
20 25 30

Gly Ser Leu Glu Ala Arg Gln Asp His Ile Val Arg Leu Cys Leu Cys
35 40 45

Lys Lys Lys Lys
50

<210> 271

<211> 83

<212> PRT

<213> Homo sapiens

<400> 271

Met Leu Cys Ser Ser Phe Leu Pro Leu Ser Thr Ala Ala Ile Trp Ala
1 5 10 15

Ala Leu Phe Ser Gly Met Gly Ala Val Arg His Ser Pro Ser Glu Gly
20 25 30

Lys Arg Ser Leu Lys Ser Ser Arg Cys Leu His Phe Trp Pro Leu Pro
35 40 45

Thr Gly Cys Ser Ser Pro Pro Pro Pro Cys Asn Val Thr Thr Lys Asn
50 55 60

Val Ser Arg Cys Cys Gln Lys Ser Ser Arg Asp Gly Arg Val Arg Leu

65

70

75

80

Pro Pro Arg

<210> 272

<211> 84

<212> PRT

<213> Homo sapiens

<400> 272

Met	Gly	Leu	Arg	Leu	Pro	Pro	Pro	Leu	Cys	Trp	Phe	Leu	Cys	Leu	Thr
1				5					10					15	

Ser	Thr	Gly	Gln	Val	Pro	Met	Ala	Gln	Ala	Arg	Ala	Gly	Val	Gln	Gly
			20					25					30		

Pro	Met	Asp	Gly	Arg	Met	Pro	Ser	Asn	Gly	Cys	Leu	Pro	Val	Ser	Pro
		35						40					45		

Arg	Thr	Pro	Tyr	Gly	Met	Pro	Tyr	Leu	Gly	Ala	Leu	Trp	Pro	Cys	Trp
	50					55					60				

Pro	Cys	Ser	Trp	Gln	Gly	Arg	Ser	Thr	Ser	Arg	His	Pro	Cys	Gln	Gln
65					70					75					80

Asp Leu Ser Gly

<210> 273

<211> 230

<212> PRT

<213> Homo sapiens

<400> 273

Met	Asp	Val	Gly	Pro	Ser	Ser	Leu	Pro	His	Leu	Gly	Leu	Lys	Leu	Leu
1				5					10					15	

Leu	Leu	Leu	Leu	Leu	Leu	Pro	Leu	Arg	Gly	Gln	Ala	Asn	Thr	Gly	Cys
			20					25						30	

Tyr	Gly	Ile	Pro	Gly	Met	Pro	Gly	Leu	Pro	Gly	Ala	Pro	Gly	Lys	Asp
		35					40					45			

Gly	Tyr	Asp	Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Pro	Gly	Ile	Pro	Ala
	50					55					60				

Ile	Pro	Gly	Ile	Arg	Gly	Pro	Lys	Gly	Gln	Lys	Gly	Glu	Pro	Gly	Leu
65					70					75					80

Pro	Gly	His	Pro	Gly	Lys	Asn	Gly	Pro	Met	Gly	Glu	Pro	Gly	Glu	Glu
				85					90					95	

Gly	Arg	Tyr	Lys	Gln	Lys	Phe	Gln	Ser	Val	Phe	Thr	Val	Thr	Arg	Gln
			100					105					110		

Thr His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val
 115 120 125
 Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr
 130 135 140
 Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr
 145 150 155 160
 Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr
 165 170 175
 Phe Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val
 180 185 190
 Leu Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp
 195 200 205
 Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly
 210 215 220
 Phe Leu Leu Phe Pro Asp
 225 230

<210> 274
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 274
 Met Cys Ala Met Ala Pro Leu Trp Ser Pro Leu Cys Pro Ser Ile Cys
 1 5 10 15
 Met Cys Ser Val Ser Leu Ala Cys Val Arg Val Arg Val Ser Ala Tyr
 20 25 30
 Ala Ser Thr His Trp Ala Leu Gly Cys Ser Gln Gly Lys Phe Asp Leu
 35 40 45
 Glu Arg Leu Ser Ser Pro Trp Asn Gln Asp Phe Leu Ser Pro Pro His
 50 55 60
 Pro Gly Pro Val Pro Pro Trp Leu Ser Gly Tyr Trp Gly Met Glu Thr
 65 70 75 80
 Leu Gly Glu

<210> 275
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 275
 Met Arg Pro Gln Glu Leu Pro Arg Leu Ala Phe Pro Leu Leu Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Pro Pro Pro Pro Cys Pro Ala His Ser Ala Thr
 20 25 30
 Arg Phe Asp Pro Thr Trp Glu Ser Leu Asp Ala Arg Gln Leu Pro Ala
 35 40 45
 Trp Phe Asp Gln Ala Lys Phe Gly Ile Phe Ile His Trp Gly Val Phe
 50 55 60
 Ser Val Pro Ser Phe Gly Ser Glu Trp Phe Trp Leu Tyr Leu Val Gly
 65 70 75 80
 Val Arg Ile Phe Val Glu Leu Glu Cys His Arg
 85 90

<210> 276
 <211> 336
 <212> PRT
 <213> Homo sapiens

<400> 276
 Met Leu Glu Thr Gly Leu Phe Phe Leu Leu Ser Trp Ser Ala Phe Leu
 1 5 10 15
 Ser Ala Glu Ala Ala Gly Leu Thr Gly Ile Val Ala Val Leu Phe Cys
 20 25 30
 Gly Val Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Ser Asp Ser
 35 40 45
 Lys Ile Arg Thr Lys Gln Leu Phe Glu Phe Met Asn Phe Leu Ala Glu
 50 55 60
 Asn Val Ile Phe Cys Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln Asn
 65 70 75 80
 His Ile Phe Asn Ala Leu Phe Ile Leu Gly Ala Phe Leu Ala Ile Phe
 85 90 95
 Val Ala Arg Ala Cys Asn Ile Tyr Pro Leu Ser Phe Leu Leu Asn Leu
 100 105 110
 Gly Arg Lys Gln Lys Ile Pro Trp Asn Phe Gln His Met Met Met Phe
 115 120 125
 Ser Gly Leu Arg Gly Ala Ile Ala Phe Ala Leu Ala Ile Arg Asn Thr
 130 135 140
 Glu Ser Gln Pro Lys Gln Met Met Phe Thr Thr Thr Leu Leu Leu Val
 145 150 155 160
 Phe Phe Thr Val Trp Val Phe Gly Gly Gly Thr Thr Pro Met Leu Thr
 165 170 175
 Trp Leu Gln Ile Arg Val Gly Val Asp Leu Asp Glu Asn Leu Lys Glu
 180 185 190

Asp Pro Ser Ser Gln His Gln Glu Ala Asn Asn Leu Asp Lys Asn Met
 195 200 205
 Thr Lys Ala Glu Ser Ala Arg Leu Phe Arg Met Trp Tyr Ser Phe Asp
 210 215 220
 His Lys Tyr Leu Lys Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr
 225 230 235 240
 Thr Thr Leu Pro Glu Trp Cys Gly Pro Ile Ser Arg Leu Leu Thr Ser
 245 250 255
 Pro Gln Ala Tyr Gly Glu Gln Leu Lys Glu Asp Asp Val Glu Cys Ile
 260 265 270
 Val Asn Gln Asp Glu Leu Ala Ile Asn Tyr Gln Glu Gln Ala Ser Ser
 275 280 285
 Pro Cys Ser Pro Pro Ala Arg Leu Gly Leu Asp Gln Lys Ala Ser Pro
 290 295 300
 Gln Thr Pro Gly Lys Glu Asn Ile Tyr Glu Gly Asp Leu Gly Leu Gly
 305 310 315 320
 Gly Tyr Glu Leu Lys Leu Glu Gln Thr Leu Gly Gln Ser Gln Leu Asn
 325 330 335

<210> 277

<211> 106

<212> PRT

<213> Homo sapiens

<400> 277

Met Gln Trp Leu Leu Ile Thr Pro Arg Leu Phe Tyr Phe Pro Leu Leu
 1 5 10 15
 Leu Leu Trp Leu Val Ser Val Lys Phe Leu Phe Ile Phe Ile Phe Gly
 20 25 30
 Asp Gly Gln Gly Leu Ala Pro Ser Leu Arg Pro Glu Cys Ser Gly Ala
 35 40 45
 Ile Met Ala His His Ser Leu Asp Phe Gln Gly Leu Ser Tyr Pro Pro
 50 55 60
 Thr Leu Ala Ser Ala Gly Ala Gly Thr Thr Gly Met His His His Ala
 65 70 75 80
 Gln Leu Ile Phe Lys Phe Phe Tyr Arg Asp Gly Val Ser Leu Cys Gly
 85 90 95
 Leu Gly Trp Ser Gln Thr Pro Gly His Lys
 100 105

<210> 278
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 278
 Met Gly Ala Ser Leu Cys Leu Thr Gln Leu Leu Leu Leu Leu Gly Lys
 1 5 10 15
 Gly Gly Leu Gly Gln Ala Ser Ile Pro Leu Val Lys Thr Pro Ala Gly
 20 25 30
 His Gln Ala Phe Trp Thr Arg Thr His Thr His Thr His Thr His Thr
 35 40 45
 His Thr Lys Leu His Ser Arg Pro Ala Ala Val Thr Cys His Gln Glu
 50 55 60
 Ser Pro Gln Leu Arg Pro Pro Pro Ile Leu Ser Tyr Glu Lys Pro Leu
 65 70 75 80
 Leu Trp Gly Arg Arg Leu Glu Lys Val Gly Cys Gly Gly Gln Glu Gly
 85 90 95
 Pro Cys Arg Ala Gly Gly Trp Val Trp Leu Ser Arg Cys Phe Pro Glu
 100 105 110
 Gly Ser Ala Gly Ile Arg Gly Ser Cys Gly Arg Glu Arg Ala Pro Ala
 115 120 125
 Ser Trp Leu
 130

<210> 279
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 279
 Met Cys Val His Thr Cys Val Cys Met Cys Val His Thr Cys Val Cys
 1 5 10 15
 Val His Ala Cys Val Trp Ala His Val Cys Met Cys Val Cys Glu Cys
 20 25 30
 Val Cys Trp Gly Gly Gly Met Ala Leu Gly Lys Val Cys Pro Gly Trp
 35 40 45
 Lys Pro His Ser Leu Pro Ser Ala Trp Arg Trp Ala Cys Ala Trp Arg
 50 55 60
 Pro Ile Ala Arg Arg Leu Arg Pro Thr Gly Ala Thr Ser Thr Val Pro
 65 70 75 80
 Leu

<210> 280
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 280
 Met His Pro Pro Pro Gly Val Trp Leu Leu His Leu His Thr Pro Leu
 1 5 10 15
 Arg Gly Phe Cys Leu Pro Leu Pro Leu Arg Ser Gln Glu Ala Val Pro
 20 25 30
 Gly Arg Gly Arg Arg His Leu Ser Pro Gln Leu Leu Thr Pro His Pro
 35 40 45
 Leu Thr Ser Ser Pro Phe Val Lys Tyr Thr Gln Asp Glu Thr Cys Thr
 50 55 60
 Gln Trp Leu Thr Ala Ala Arg Phe Val Thr Ala Arg Gly Gly Glu His
 65 70 75 80
 Arg Thr Pro Ser Glu Gly Glu Gly Ile Ser Thr Ala Pro Pro Pro Cys
 85 90 95
 Trp Asn Glu Thr Gln Pro Gln Gly Gly Ala Lys Leu
 100 105

<210> 281
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Ser Cys Thr Leu Leu Ile Cys Thr Val Val Leu Gly Val Thr Thr
 1 5 10 15
 Pro Ala Ile Gly Pro Ala Ala Pro Ser Leu Leu Ala Thr Pro Pro Gln
 20 25 30
 Ala Ala Ala Ala Thr Met Gln Pro Arg Leu Gly Arg Ala Ala Gly Ala
 35 40 45

Ala

<210> 282
 <211> 187
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 282

Xaa	Ala	Arg	Asp	Leu	Leu	Gln	Ala	Leu	Arg	His	Pro	Lys	Ala	Val	Ala	
1				5					10					15		
Phe	Gly	Glu	Met	Gly	Leu	Asp	Tyr	Ser	Tyr	Lys	Cys	Thr	Thr	Pro	Val	
			20					25					30			
Pro	Glu	Gln	His	Lys	Val	Phe	Glu	Arg	Gln	Leu	Gln	Leu	Ala	Val	Ser	
		35					40					45				
Leu	Lys	Lys	Pro	Leu	Val	Ile	His	Cys	Arg	Glu	Ala	Asp	Glu	Asp	Leu	
	50					55					60					
Leu	Glu	Ile	Met	Lys	Lys	Phe	Val	Pro	Pro	Asp	Tyr	Lys	Ile	His	Arg	
65				70						75					80	
His	Cys	Phe	Thr	Gly	Ser	Tyr	Pro	Val	Ile	Glu	Pro	Leu	Leu	Lys	Tyr	
				85					90					95		
Phe	Pro	Asn	Met	Ser	Val	Gly	Phe	Thr	Ala	Val	Leu	Thr	Tyr	Ser	Ser	
			100					105					110			
Ala	Trp	Glu	Ala	Arg	Glu	Ala	Leu	Arg	Gln	Ile	Pro	Leu	Glu	Arg	Ile	
		115					120					125				
Ile	Val	Glu	Thr	Asp	Ala	Pro	Tyr	Phe	Leu	Pro	Arg	Gln	Val	Pro	Lys	
	130					135					140					
Ser	Leu	Cys	Gln	Tyr	Ala	His	Pro	Gly	Leu	Ala	Leu	His	Thr	Val	Arg	
145					150					155					160	
Glu	Ile	Ala	Arg	Val	Lys	Asp	Gln	Pro	Leu	Ser	Leu	Thr	Leu	Ala	Ala	
				165					170					175		
Leu	Arg	Glu	Asn	Thr	Ser	Arg	Leu	Tyr	Ser	Leu						
			180					185								

<210> 283

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 283

Met	Val	Pro	Cys	Arg	Lys	Thr	Leu	Leu	Phe	Leu	Trp	Val	Gly	Ser	Leu	
1					5				10					15		
Cys	Arg	Asp	Val	Gly	Ser	Trp	Ser	Gly	Trp	Pro	Phe	Gly	Leu	Ser	Thr	
			20					25					30			
Ala	Thr	Gln	Pro	Arg	Leu	Arg	Leu	Gly	Lys	Gln	Thr	Gly	Ala	Gly	Gln	
		35					40					45				

Ala Arg Arg Ala Cys Arg Thr Val Ile Leu Arg Cys Gly Ser Cys Cys
50 55 60

Arg Gly Arg Arg Thr Gly Ser Val Val Ala Trp Ser Ser Leu Pro Xaa
65 70 75 80

Arg Thr Ser Ala Ala Glu Leu Arg Trp Arg Pro Trp Gly Pro Val
85 90 95

<210> 284

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 284

Met Ala Thr Pro Xaa Gly Leu Gly Ala Leu Leu Leu Leu Leu Leu
1 5 10 15

Pro Thr Ser Gly Gln Glu Lys Pro Thr Glu Gly Pro Arg Asn Thr Cys
20 25 30

Leu Gly Ser Asn Asn Met Tyr Asp Ile Phe Asn Leu Asn Asp Lys Ala
35 40 45

Leu Cys Phe Thr Lys Cys Arg Gln Ser Gly Ser Asp Ser Cys Asn Val
50 55 60

Glu Asn Leu Gln Arg Tyr Trp Leu Asn Tyr Glu Ala His Leu Met Lys
65 70 75 80

Glu Gly Leu Thr Gln Lys Val Asn Thr Pro Phe Leu Lys Ala Leu Val
85 90 95

Gln Asn Leu Ser Thr Asn Thr Ala Glu Asp Phe Tyr Phe Ser Leu Glu
100 105 110

Pro Ser Gln Val Pro Arg Gln Val Met Lys Asp Glu Asp Lys Pro Pro
115 120 125

Asp Arg Val Arg Leu Pro Lys Ser Leu Phe Arg Ser Leu Pro Gly Asn
130 135 140

Arg Ser Val Val Arg Leu Ala Val Thr Ile Leu Asp Ile Gly Pro Gly
145 150 155 160

Thr Leu Phe Lys Val Arg Thr Gln Gly Ser Ser Lys Val Lys Cys
165 170 175

<210> 285

<211> 126

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 285

```
Met Ala Ala Phe Ala Thr Ala His Leu Leu Tyr Val Trp Ala Phe Gly
 1             5             10             15

Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu Leu Ile Ile Leu Ala Pro
      20             25             30

Gly Pro Tyr Leu Ser Leu Val Leu Gln His Leu Glu Pro Asp Met Val
      35             40             45

Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu Met Ala Met Leu Trp Arg
      50             55             60

Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp Gly Ala Leu Leu Phe Thr
      65             70             75             80

Leu Ser Asp Gly Val Leu Ala Trp Asp Thr Phe Ala Gln Pro Leu Pro
      85             90             95

His Ala Xaa Leu Val Ile Met Thr Thr Tyr Tyr Ala Ala Gln Leu Leu
      100            105            110

Ile Thr Leu Ser Ala Leu Arg Ser Pro Val Pro Lys Thr Asp
      115            120            125
```

<210> 286

<211> 187

<212> PRT

<213> Homo sapiens

<400> 286

```
Met Trp Cys Ala Ser Pro Val Ala Val Val Ala Phe Cys Ala Gly Leu
 1             5             10             15

Leu Val Ser His Pro Val Leu Thr Gln Gly Gln Glu Ala Gly Gly Arg
      20             25             30

Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe Tyr
      35             40             45

Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile Glu
      50             55             60

Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn Arg
      65             70             75             80

Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile Leu
      85             90             95

Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys Ile
      100            105            110
```

Cys	Glu	Lys	Leu	Lys	Lys	Leu	Asp	Ser	Gln	Ile	Cys	Glu	Leu	Lys	Tyr
		115					120					125			
Glu	Lys	Thr	Leu	Asp	Leu	Ala	Ser	Val	Asp	Leu	Arg	Lys	Met	Arg	Val
		130				135					140				
Ala	Glu	Leu	Lys	Gln	Ile	Leu	His	Ser	Trp	Gly	Glu	Glu	Cys	Arg	Ala
145					150					155					160
Cys	Ala	Glu	Lys	Thr	Asp	Tyr	Val	Asn	Leu	Ile	Gln	Glu	Leu	Ala	Pro
				165					170					175	
Lys	Tyr	Ala	Ala	Thr	His	Pro	Lys	Thr	Glu	Leu					
			180					185							

<210> 287
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (186)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (188)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (200)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (203)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (204)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (211)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 287
 Met Ser Arg Gly Leu Leu Ala Val Arg Gly Ala Phe Val Gly Ala Ser
 1 5 10 15

 Leu Leu Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg
 20 25 30

 Arg Arg Ala Gln Pro Trp Ala Leu Leu Leu Val Arg Val Leu Val Ser
 35 40 45

 Asp Ser Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys
 50 55 60

 Leu Val Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys
 65 70 75 80

 Gly Thr Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu
 85 90 95

 Leu Tyr Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala
 100 105 110

 Pro Gln Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser
 115 120 125

 Asp Gln Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val
 130 135 140

 Phe Gly Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu
 145 150 155 160

 Val Gly Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser Thr Ser
 165 170 175

 His Ile Pro Gln Trp Ala Arg Ser Phe Xaa Ser Xaa Xaa Leu Leu Leu
 180 185 190

 Leu Thr Gly Ala Trp Ala Leu Xaa Lys Xaa Xaa Xaa Ala Xaa Phe Leu
 195 200 205

 Gly Thr Xaa Thr Arg Val
 210

 <210> 288
 <211> 254
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE

<222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (212)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (245)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (248)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 288
 Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg Arg Arg
 1 5 10 15
 Ala Gln Pro Trp Ala Leu Leu Leu Val Arg Val Leu Val Ser Asp Ser
 20 25 30
 Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys Leu Val
 35 40 45
 Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys Gly Thr
 50 55 60
 Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu Leu Tyr
 65 70 75 80
 Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala Pro Gln
 85 90 95
 Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser Asp Gln
 100 105 110
 Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val Phe Gly
 115 120 125
 Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu Val Xaa
 130 135 140
 Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser Thr Ser His Ile
 145 150 155 160
 Leu Asn Gly Gln Val Phe Ala Ser Arg Ser Tyr Phe Phe Asp Arg Ala
 165 170 175
 Gly His Cys Glu Asp Glu Gly Cys Ser Trp Glu His Ser Arg Gly Glu
 180 185 190

Ser Thr Ser Met Ser Gly Ser Leu Gly Ser Gly Ser Trp Tyr Gly Ala
195 200 205

Ile Gly Arg Xaa Pro Xaa Trp Tyr Gly Gly Ser Gln Thr Lys Thr Thr
210 215 220

Pro Leu Ser Leu Gln Cys Arg Gln Arg Thr His Ser Leu Ser Pro Asn
225 230 235 240

Gly Pro Leu Gln Xaa Pro Ala Xaa Leu Leu Ala Gly Ser Val
245 250

<210> 289
<211> 221
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (215)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (217)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 289
Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile Val Trp Phe Pro
1 5 10 15

Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly Val Ile Asn Gln
20 25 30

Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly Tyr Gln Pro Ile
35 40 45

Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile Met Asp Gln Gln
50 55 60

Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp Thr Gly Ala Met
65 70 75 80

Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr Val Ala Glu Leu
85 90 95

Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro Pro Ser Lys Gln
100 105 110

Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser Phe Ser Val Val
115 120 125

Phe Ser Trp Ser Ile Gln Arg Asn Leu Ser Leu Gly Ala Lys Ser Glu

130	135	140																	
Ile	Ala	Thr	Asp	Lys	Leu	Ser	Phe	Pro	Leu	Lys	Asn	Ile	Thr	Arg	Lys				
145					150					155					160				
Asn	Ile	Ala	Lys	Met	Ile	Ala	Gly	Asn	Ser	Thr	Glu	Ser	Ser	Lys	Thr				
				165					170					175					
Pro	Val	Thr	Ile	Glu	Lys	Ile	Tyr	Pro	Tyr	Tyr	Val	Lys	Ala	Pro	Ser				
			180					185					190						
Asp	Ser	Asn	Ser	Lys	Pro	Ile	Lys	Gln	Leu	Leu	Ser	Glu	Asn	Asn	Ser				
	195						200					205							
Trp	Xaa	Leu	Pro	Ser	Phe	Xaa	Gln	Xaa	His	Thr	Leu	Asn							
210						215					220								

<210> 290
 <211> 135
 <212> PRT
 <213> Homo sapiens

<400> 290																			
Met	Ala	Phe	Lys	Leu	Leu	Ile	Leu	Leu	Ile	Gly	Thr	Trp	Ala	Leu	Phe				
1				5					10					15					
Phe	Arg	Lys	Arg	Arg	Ala	Asp	Met	Pro	Arg	Val	Phe	Val	Phe	Arg	Ala				
			20					25					30						
Leu	Leu	Leu	Val	Leu	Ile	Phe	Leu	Phe	Val	Val	Ser	Tyr	Trp	Leu	Phe				
			35				40					45							
Tyr	Gly	Val	Arg	Ile	Leu	Asp	Ser	Arg	Asp	Arg	Asn	Tyr	Gln	Gly	Ile				
	50					55					60								
Val	Gln	Tyr	Ala	Val	Ser	Leu	Val	Asp	Ala	Leu	Leu	Phe	Ile	His	Tyr				
	65				70					75				80					
Leu	Ala	Ile	Val	Leu	Leu	Glu	Leu	Arg	Gln	Leu	Gln	Pro	Met	Phe	Thr				
				85					90					95					
Leu	Gln	Val	Val	Pro	Leu	His	Arg	Trp	Arg	Val	Pro	Leu	Leu	Gln	Pro				
			100					105					110						
Gly	Thr	Pro	Glu	Tyr	Pro	Ala	Ser	Ser	Ile	Gly	Gly	Pro	Arg	Lys	Leu				
		115					120					125							
Leu	Gln	Arg	Phe	His	His	Leu													
	130					135													

<210> 291
 <211> 295
 <212> PRT
 <213> Homo sapiens

<400> 291

Met	Leu	Cys	Cys	Trp	Phe	Pro	Trp	Arg	Ile	Leu	Ala	Ala	Gly	Gln	Val	
1				5					10					15		
Pro	Tyr	Ser	Pro	His	Ser	Pro	Gln	Val	Ala	Gly	Cys	Asp	Leu	Thr	Arg	
			20					25					30			
Cys	Glu	Ser	Gly	Gly	Ala	Arg	Ala	Leu	Ser	Ile	Gln	Arg	Ala	Ala	Leu	
		35					40					45				
Val	Val	Leu	Glu	Asn	Tyr	Tyr	Lys	Asp	Phe	Thr	Ile	Tyr	Asn	Pro	Asn	
	50					55					60					
Leu	Leu	Thr	Ala	Ser	Lys	Phe	Arg	Ala	Ala	Lys	His	Met	Ala	Gly	Leu	
65					70					75					80	
Lys	Val	Tyr	Asn	Val	Asp	Gly	Pro	Ser	Asn	Asn	Ala	Thr	Gly	Gln	Ser	
			85						90					95		
Arg	Ala	Met	Ile	Ala	Ala	Ala	Ala	Arg	Arg	Arg	Asp	Ser	Ser	His	Asn	
			100					105						110		
Glu	Leu	Tyr	Tyr	Glu	Glu	Ala	Glu	His	Glu	Arg	Arg	Val	Lys	Lys	Arg	
		115					120					125				
Lys	Ala	Arg	Leu	Val	Val	Ala	Val	Glu	Glu	Ala	Phe	Ile	His	Ile	Gln	
	130					135					140					
Arg	Leu	Gln	Ala	Glu	Glu	Gln	Gln	Lys	Ala	Pro	Gly	Glu	Val	Met	Asp	
145					150					155					160	
Pro	Arg	Glu	Ala	Ala	Gln	Ala	Ile	Phe	Pro	Ser	Met	Ala	Arg	Ala	Leu	
				165					170					175		
Gln	Lys	Tyr	Leu	Arg	Ile	Thr	Arg	Gln	Gln	Asn	Tyr	His	Ser	Met	Glu	
			180					185					190			
Ser	Ile	Leu	Gln	His	Leu	Ala	Phe	Cys	Ile	Thr	Asn	Gly	Met	Thr	Pro	
		195					200					205				
Lys	Ala	Phe	Leu	Glu	Arg	Tyr	Leu	Ser	Ala	Gly	Pro	Thr	Leu	Gln	Tyr	
	210					215					220					
Asp	Lys	Asp	Arg	Trp	Leu	Ser	Thr	Gln	Trp	Arg	Leu	Val	Ser	Asp	Glu	
225					230					235					240	
Ala	Val	Thr	Asn	Gly	Leu	Arg	Asp	Gly	Ile	Val	Phe	Val	Leu	Lys	Cys	
				245					250					255		
Leu	Asp	Phe	Ser	Leu	Val	Val	Asn	Val	Lys	Lys	Ile	Pro	Phe	Ile	Ile	
			260					265					270			
Leu	Ser	Glu	Glu	Phe	Ile	Asp	Pro	Lys	Ser	His	Lys	Phe	Val	Leu	Arg	
		275					280					285				
Leu	Gln	Ser	Glu	Thr	Ser	Val										
	290					295										

<210> 292
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 292
 Met Asp Thr Tyr Phe Ile Leu Trp Ala Ile Pro Val Thr Ile Ile Ile
 1 5 10 15
 Cys Phe Ser Trp Leu Glu Tyr Ser Gln Thr Trp Ala Leu Gly Ala Ser
 20 25 30
 Cys Ser Leu Pro Gln Cys Pro Phe Asp Val Met Leu Ser Leu Phe Leu
 35 40 45
 Val His Pro Tyr Phe Pro Thr Val Trp Asp His Leu Cys Phe Pro His
 50 55 60
 Pro Ser Pro Glu Ser Ser Pro Phe Ser Lys Cys Ser Leu Val Ala Trp
 65 70 75 80
 Leu Glu Asn Gly Ala
 85

<210> 293
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 293
 Thr Gln Arg Met Ser Gly Lys His Tyr Lys Gly Pro Glu Val Ser Cys
 1 5 10 15
 Cys Ile Lys Tyr Phe Ile Phe Gly Phe Asn Val Ile Phe Trp Phe Leu
 20 25 30
 Gly Ile Thr Phe Leu Gly Ile Gly Leu Trp Ala Trp Asn Glu Lys Gly
 35 40 45
 Val Leu Ser Asn Ile Ser Ser Ile Thr Asp Leu Gly Gly Phe Asp Pro
 50 55 60
 Val Trp Leu Phe Leu Val Val Gly Gly Val Met Phe Ile Leu Gly Phe
 65 70 75 80
 Ala Gly Cys Ile Gly Ala Leu Arg Glu Asn Thr Phe Leu Leu Lys Phe
 85 90 95
 Phe Ser Val Phe Leu Gly Ile Ile Phe Phe Leu Glu Leu Thr Ala Gly
 100 105 110
 Val Leu Ala Phe Val Phe Lys Asp Trp Ile Lys Asp Gln Leu Tyr Phe
 115 120 125
 Phe Ile Asn Asn Asn Ile Arg Ala Tyr Arg Asp Asp Ile Asp Leu Gln
 130 135 140
 Asn Leu Ile Asp Phe Thr Gln Glu Tyr Ile Pro Met Gln Val Glu Ser

145		150		155		160									
Asp	Val	Ala	Phe	His	Ser	Pro	Ala	Ala	Leu	Lys	Ile	Pro	Gln	Lys	Met
				165					170					175	
Ser	Ser	Thr	Leu	Ser	Val	Ala	Met	Met	Pro	Gly	Lys	Asn	Gln	Lys	Leu
			180					185						190	
Thr	Ser	Arg	Leu												
			195												

<210> 294
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 294
Val Ser Leu Lys Leu Val Ile Xaa Leu Ser Trp Asn Leu Ile Thr Xaa
1 5 10 15
Val Trp Phe His Lys Asn Leu Thr Phe Gly Ser Trp Leu Ile His Trp
20 25 30
Glu Gly Pro Ser Gly Phe Phe Asn Phe Gly Gly Ser Gly Leu Gly Lys
35 40 45
Phe Phe His Leu Lys Leu Asn Leu Met Gly
50 55

<210> 295
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 295
Met His Gly Ala Arg Leu Phe Val Cys Leu Phe Val Cys Phe Arg Gln
1 5 10 15
Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser Ser
20 25 30
Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn Leu
35 40 45
Pro Ser Ser Trp Asp Tyr Arg His Met Ala Thr Cys Pro Trp Leu Ile
50 55 60

Phe Val Phe Leu Val Glu Met Glu Phe Arg His Val Gly Gln Ala Gly
 65 70 75 80
 Leu Gly Leu Leu Thr Ser Ser Asp Leu Pro Ala Leu Ala Phe Gln Ser
 85 90 95
 Ala Gly Ile Thr Gly Leu Ser His His Ala Trp Pro Gly Arg Phe Leu
 100 105 110
 Lys Lys Val Ile Glu Ile Cys Ser Cys Pro Val Pro Arg Gly Ser His
 115 120 125
 Ala Gly Leu Phe Ser
 130

<210> 296
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 296
 Ser Lys Thr Gly Ile Val Leu Gln Thr Phe Arg Ala Glu Phe Gln Glu
 1 5 10 15
 Leu Lys Ser Glu Lys Gln Gln Ala Ala Phe Pro Lys Arg Tyr Thr Cys
 20 25 30
 Phe Gly His Gln Arg Arg Thr Glu Leu Arg Ala Ala Val Glu Asn Leu
 35 40 45
 Lys His Ser Ala Glu Phe Leu Ser Ala Pro Leu Ala Asn Lys Leu Lys
 50 55 60
 Cys Gln Thr Ala Leu Ala Ala Gly Tyr Phe
 65 70

<210> 297
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 297
 Met Ala Pro Ala Gly Cys Cys Cys Cys Cys Cys Phe Trp Gly Gly Ala
 1 5 10 15
 Val Ala Ala Ala Gly Ala Ala Arg Arg Val Leu Leu Leu Leu Leu Leu
 20 25 30
 Gly Xaa Leu Ser Ala Arg Leu Arg Pro Gly Ala Leu Ala Thr Glu His
 35 40 45
 Tyr Ser Pro Leu Ala Leu Leu Lys Gln Glu Leu Xaa His Arg Gln Gln
 50 55 60
 Gln Glu Ala Pro Xaa Gly Gly Gly Gly Cys Ser Pro Gln Ser Gly Asp
 65 70 75 80
 Trp Gly Asp Gln Tyr Ser Ala Glu Cys Gly Glu Ser Ser Phe Leu Xaa
 85 90 95
 Phe His Asp Ser Asp Cys Glu Pro Gln Gly Ser Ser Pro Cys Asp Ser
 100 105 110
 Leu Leu Ser Leu Asn Thr Ala Lys Ile Leu Ser Gln Ala Lys Ser Ile
 115 120 125
 Ala Glu Gln Lys Arg
 130

<210> 298
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Met Thr Ser Gln Asn Leu Trp Val Ile Val Val Ile Ala Asn Ser Ile
1 5 10 15
Leu Val Ile Val Ala Gln Tyr Arg Asp Glu Gly Asn Arg Phe Cys Asn
20 25 30
Gln Met Ile Leu Gly Ser Glu Ser Thr Leu Pro Leu Thr Ser Tyr Met
35 40 45
Thr Ser Ser Asn Phe His His Leu Ser Met Leu Gln Phe Pro His Arg
50 55 60
Gln Asp Gly Cys Gly Gly Arg Gly Thr Thr Val Gln Ile His His Pro
65 70 75 80
Lys Phe Lys Met Leu Gln Asn Leu Xaa Arg Xaa Trp Trp Leu Ile Pro
85 90 95
Val Ile Pro Ala Leu Xaa Glu Val Lys Xaa Asp Gly
100 105

<210> 299

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 299

Asn Phe Leu Glu Pro Lys Cys Asp Ala Thr Ser Gly Lys Phe His Asn
1 5 10 15
Ser Ser Xaa Val Ile Asp Cys Ser Gly Asn Ala Gly Thr His His Glu
20 25 30
Val Tyr Ser Ala Ser Ser Lys Glu Ile Pro Val Ser Ser Tyr Ile Ser
35 40 45
Phe Ser His Met Pro Asp Arg Tyr Leu Ser Ser Phe Thr Val Arg Tyr
50 55 60
Phe Cys Val Glu
65

<210> 300

<211> 194

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 300

Met Met Trp Leu Leu Leu Thr Thr Thr Cys Leu Ile Cys Gly Thr Leu
1 5 10 15
Asn Ala Gly Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val
20 25 30
Trp Met Asn Thr Ser Glu Ile Ile Ile Tyr Asn Gly Tyr Pro Ser Glu
35 40 45
Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg
50 55 60
Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val
65 70 75 80
Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu
85 90 95
Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr
100 105 110
Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His
115 120 125
Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Ser Phe Asp
130 135 140
Glu Met Ala Lys Tyr Asp Leu Pro Gly Val Ile Asp Phe Ile Val Asn
145 150 155 160
Lys Thr Gly Gln Glu Lys Leu Xaa Phe Ile Gly His Ser Leu Gly Thr
165 170 175
Thr Ile Gly Phe Val Ala Phe Ser Pro Cys Leu Asn Trp His Lys Glu
180 185 190
Ser Lys

<210> 301

<211> 87

<212> PRT

<213> Homo sapiens

<400> 301

Met Arg Phe Ile Trp Leu Met Phe Leu Gln Ala Val Gln Ala Ser Gly
1 5 10 15
Lys Gly Leu Arg Lys Leu Pro His Thr Val Glu Asp Glu Gly Glu Pro
20 25 30
Glu Cys Ala Asp Tyr Met Val Arg Glu Trp Lys Gln Glu Arg Gly Ala
35 40 45

Gly Gly Ala Arg Ile Phe Ser Thr Ile Ser Ser Trp Met Ser Thr Val
50 55 60
Ala His Ala Cys Asn Pro Ser Thr Leu Gly Ala Gln Asp Gly Arg Ile
65 70 75 80
Thr Ser Ala Gln Glu Phe Asn
85

<210> 302
<211> 90
<212> PRT
<213> Homo sapiens

<400> 302
Met Asp Arg Arg Arg Met Ala Leu Arg Pro Gly Ser Arg Arg Pro Thr
1 5 10 15
Ala Phe Phe Phe His Ser Arg Trp Leu Val Pro Asn Leu Leu Ala Phe
20 25 30
Phe Leu Gly Leu Ser Gly Ala Gly Pro Ile His Leu Pro Met Pro Trp
35 40 45
Pro Asn Gly Arg Arg His Arg Val Leu Asp Pro His Thr Gln Leu Ser
50 55 60
Thr His Glu Ala Pro Gly Arg Trp Lys Pro Val Ala Pro Arg Arg Met
65 70 75 80
Lys Ala Cys Pro Gln Val Leu Leu Glu Trp
85 90

<210> 303
<211> 34
<212> PRT
<213> Homo sapiens

<400> 303
Met Met Ser Ile His Cys Val Gln Pro Leu Leu Pro Leu Phe Leu Pro
1 5 10 15
Ser Ser Tyr Phe Lys Gln Phe Leu Leu Leu Pro Trp Thr Phe Gly Val
20 25 30
Ala Leu

<210> 304
<211> 47
<212> PRT
<213> Homo sapiens
<220>

<221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 304
 His Thr Phe Ser Asn Cys Leu Leu Glu Arg Leu Tyr Gln Ala Arg Cys
 1 5 10 15

 Ser Cys Leu Met Pro Val Ile Leu Ala Leu Trp Glu Ala Glu Xaa Xaa
 20 25 30

 Gly Gln Leu Glu Leu Arg Ser Ser Arg Pro Ala Trp Ala Thr Trp
 35 40 45

 <210> 305
 <211> 245
 <212> PRT
 <213> Homo sapiens

 <400> 305
 Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
 1 5 10 15

 Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
 20 25 30

 Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
 35 40 45

 Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
 50 55 60

 Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
 65 70 75 80

 Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
 85 90 95

 Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
 100 105 110

 Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
 115 120 125

 Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Ala Ser
 130 135 140

 Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu
 145 150 155 160

 Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu
 165 170 175

Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu Ser Gln Leu Pro
 180 185 190
 Ala Leu Ala Ile Tyr Gln Thr Leu Asp Asp Glu Trp Asp Thr Leu Pro
 195 200 205
 Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe Cys Asp Gly Phe
 210 215 220
 Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser Glu Gly Lys Thr
 225 230 235 240
 Pro Lys Val Glu Leu
 245

<210> 306
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 306
 Met Phe Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp Cys Cys
 1 5 10 15
 Arg Lys Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser Ser Leu
 20 25 30
 Ser Asn Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr Pro Asp
 35 40 45
 Asn Leu Gly Arg Thr Cys Leu His Ala Ala Ala Ser Gly Gly Asn Val
 50 55 60
 Glu Cys Leu Asn Leu Leu Leu Ser Ser Gly Ala Asp Leu Arg Arg Arg
 65 70 75 80
 Asp Lys Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn Gly Ser
 85 90 95
 Tyr Gln Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val Asn Glu
 100 105 110
 Ala Asp Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala Ser Asp
 115 120 125
 Thr Tyr Arg Arg Ala Glu Pro His Thr Pro Ser Ser
 130 135 140

<210> 307
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 307
 Met Lys Arg Tyr Ile Ile Ser Leu Gln Ser Pro Leu Ser His Ser Ser
 1 5 10 15

Met Trp Pro Ala Tyr Leu Leu Pro Ile Met Leu Leu Ile His Leu Gln
20 25 30
Ala Ile Cys His Gln Ile Lys Lys Gln Gln Thr Glu Gly Gln Ser Gln
35 40 45
Asp Val Leu Thr His His Cys Asn Phe Leu Leu Glu Met Ile Pro Phe
50 55 60
Arg Lys Arg Leu Val Glu Ile Gly Val Lys Gly Thr Leu Gln Ile Ser
65 70 75 80
Pro Val Leu Ser Tyr Phe Gln Leu Tyr Arg Gln Glu Gln Phe Lys Ser
85 90 95
Lys Glu Phe Ser Arg Phe Leu Gln Cys His Lys Ala Val Ser
100 105 110

<210> 308
<211> 107
<212> PRT
<213> Homo sapiens

<400> 308
Met Pro Pro Pro Phe Leu Arg Lys Pro Leu Ile Leu Cys Val Phe Leu
1 5 10 15
Pro Thr Glu Gly Asn Cys Gly Gly Ser Ser Leu Ala Phe Leu Leu Asn
20 25 30
Phe Ala Gly Asn Ser Pro Gln Phe Leu Ser Glu Val Arg Thr Val His
35 40 45
Tyr Gln Arg Asp Trp Thr Leu Tyr Pro Leu Ala Lys Trp Glu Lys Ile
50 55 60
Leu Pro Ala His Ser Thr Pro Pro Trp Pro Ser Pro Thr Pro His Pro
65 70 75 80
Gln Gln His Phe His Gly Asn Pro Asp Gly Arg Val Val Leu Trp Leu
85 90 95
Ser Cys Asp Arg Leu Ala Phe Ile Leu Glu Ser
100 105

<210> 309
<211> 251
<212> PRT
<213> Homo sapiens

<400> 309
Met Gly Pro Pro Pro Gly Ala Gly Val Ser Cys Arg Gly Gly Cys Gly
1 5 10 15
Phe Ser Arg Leu Leu Ala Trp Cys Phe Leu Leu Ala Leu Ser Pro Gln

20					25					30					
Ala	Pro	Gly	Ser	Arg	Gly	Ala	Glu	Ala	Val	Trp	Thr	Ala	Tyr	Leu	Asn
		35					40					45			
Val	Ser	Trp	Arg	Val	Pro	His	Thr	Gly	Val	Asn	Arg	Thr	Val	Trp	Glu
	50					55					60				
Leu	Ser	Glu	Glu	Gly	Val	Tyr	Gly	Gln	Asp	Ser	Pro	Leu	Glu	Pro	Val
65						70					75				80
Ala	Gly	Val	Leu	Val	Pro	Pro	Asp	Gly	Pro	Gly	Ala	Leu	Asn	Ala	Cys
				85					90					95	
Asn	Pro	His	Thr	Asn	Phe	Thr	Val	Pro	Thr	Val	Trp	Gly	Ser	Thr	Val
			100					105					110		
Gln	Val	Ser	Trp	Leu	Ala	Leu	Ile	Gln	Arg	Gly	Gly	Gly	Cys	Thr	Phe
	115						120					125			
Ala	Asp	Lys	Ile	His	Leu	Ala	Tyr	Glu	Arg	Gly	Ala	Ser	Gly	Ala	Val
	130					135					140				
Ile	Phe	Asn	Phe	Pro	Gly	Thr	Arg	Asn	Glu	Val	Ile	Pro	Met	Ser	His
145						150					155				160
Pro	Gly	Ala	Val	Asp	Ile	Val	Ala	Ile	Met	Ile	Gly	Asn	Leu	Lys	Gly
				165					170					175	
Thr	Lys	Ile	Leu	Gln	Ser	Ile	Gln	Arg	Gly	Ile	Gln	Val	Thr	Met	Val
			180					185					190		
Ile	Glu	Val	Gly	Lys	Lys	His	Gly	Pro	Trp	Val	Asn	His	Tyr	Ser	Ile
	195						200					205			
Phe	Phe	Arg	Phe	Cys	Val	Leu	Phe	Tyr	Tyr	Tyr	Gly	Gly	Asn	Cys	Gly
	210					215					220				
Leu	Phe	Tyr	Leu	Leu	Phe	Cys	Ser	Lys	Ala	Thr	Glu	Cys	Lys	Ser	Ser
225						230					235				240
Lys	Gln	Glu	Ala	Glu	Ala	Ile	Lys	Gly	Arg	Cys					
			245						250						

<210> 310

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 310
 Met Leu Thr Gln Ser Gln Gln Val Leu Arg Gly Ile Leu Leu Phe Leu
 1 5 10 15

 Gln Asn Ile Leu Gln Val Ser Trp Gly Ser Pro Leu Ala Leu Ala Ser
 20 25 30

 Pro Pro Ser Pro Ser Leu Gln Pro Gly Asn Gly Leu Ala Ser Ser Leu
 35 40 45

 Leu Ala Leu Gln Pro Gly Leu Ala Gly Pro Trp Ala Gly Pro Gln Glu
 50 55 60

 Pro Ser Pro Ala Met Cys Phe Pro Lys Lys Arg Ser Leu Xaa Pro Asn
 65 70 75 80

 Leu Arg Lys Gln Trp Ala Ser Ile His Ile Asn Asp Pro Arg Gly Thr
 85 90 95

 Leu Cys Pro Arg Cys Thr Gly Cys Asn Gln Arg Xaa Ser Gly Xaa Ser
 100 105 110

 Gly Leu Ile Trp Arg Asp Arg Phe Tyr His His Pro
 115 120

<210> 311
 <211> 87
 <212> PRT
 <213> Homo sapiens

<400> 311
 Met Thr Trp Ser Phe Cys Phe Ala Leu Phe Cys Phe Val Leu Phe Phe
 1 5 10 15

 Ala Ala Ser Leu Ile Gly Tyr Ile Leu Leu Pro Ser Ala Ser Pro Arg
 20 25 30

 Asn His Arg Arg Pro Asn Asn Glu Ala Arg Val Gly Thr Pro Gly Gln
 35 40 45

 Leu Asp Asp Glu Leu Lys Gly Arg Gln Pro Leu Ala Ser Arg Leu Glu
 50 55 60

 Thr Ser Gln Cys Thr Gln Gly Leu Leu Ala Ser Arg Pro Ser Gly Val
 65 70 75 80

 Ser Lys Ala Leu Leu Tyr Pro
 85

<210> 312

<211> 84
 <212> PRT
 <213> Homo sapiens

<400> 312
 Met Glu Trp Gln Phe Gly Lys Pro Ser Phe Leu Leu Ser Leu Leu Met
 1 5 10 15
 Leu Leu Val Leu Glu Trp Lys Ala Leu Cys Gly Val Arg Leu Gly His
 20 25 30
 Leu Gly Leu Gln Val Pro Asn Pro Ser Leu Lys Ser Thr Cys Leu Trp
 35 40 45
 Pro Leu Arg Ser Leu Cys Pro Trp Arg Leu Tyr Pro Ile Lys Ile Met
 50 55 60
 Ile Ser Leu Pro Leu Pro Ser Leu Gln Leu Pro Ser Ser Pro His Arg
 65 70 75 80
 Pro Phe Gln Leu

<210> 313
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 313
 Leu Pro Gly Xaa Cys Phe Asn His Leu Xaa Ile Asn Phe Trp Lys Lys
 1 5 10 15
 Ile Ile Ile Phe Thr Leu Lys Phe Pro Tyr Ser Lys Tyr Ser Ile Ser
 20 25 30
 Val Trp Gln Met Asp Glu Trp Ala Asp Ile Ile Gly Ser Tyr His Val
 35 40 45
 Asp Tyr Glu Glu Val Gln Ser Ile Gln Asn Lys Asn Thr Lys His Ser
 50 55 60
 Asn Lys Pro Arg Val Cys Gln
 65 70

<210> 314
 <211> 142

<212> PRT

<213> Homo sapiens

<400> 314

```
Met Leu Trp Thr Thr Leu Thr Gly Val Ser Leu Ala Leu Phe Pro Val
 1              5              10              15

Ala Gln Ala Pro Thr Ala Leu Val Ala Leu Ala Val Ala Tyr Gly Phe
              20              25              30

Thr Ser Gly Ala Leu Ala Pro Leu Ala Phe Ser Val Leu Pro Glu Leu
              35              40              45

Ile Gly Thr Arg Arg Ile Tyr Cys Gly Leu Gly Leu Leu Gln Met Ile
 50              55              60

Glu Ser Ile Gly Gly Leu Leu Gly Pro Pro Leu Ser Gly Tyr Leu Arg
 65              70              75              80

Asp Val Thr Gly Asn Tyr Thr Ala Ser Phe Val Val Ala Gly Ala Phe
              85              90              95

Leu Leu Ser Gly Ser Gly Ile Leu Leu Thr Leu Pro His Phe Phe Cys
100              105              110

Phe Ser Thr Thr Thr Ser Gly Pro Gln Asp Leu Val Thr Glu Ala Leu
115              120              125

Asp Thr Lys Val Pro Leu Pro Lys Glu Gly Leu Glu Glu Asp
130              135              140
```

<210> 315

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

```
Met Phe Leu Ser Gly Lys Pro Gly Glu Ser Tyr Leu Ser His Leu Pro
 1              5              10              15

Cys Leu Xaa Phe Phe Phe Phe Phe Phe Gly Trp Ser Cys Cys Leu Asp
              20              25              30

Asp Ala Phe Thr Met Gln Glu Arg Val Phe Val Lys Asp Ile Phe Glu
35              40              45

Asp Trp Leu Phe His Ile Val Leu His Ser Leu Thr Val Ala Lys Cys
50              55              60

Thr Val Asp Phe His Asp His Cys Ile Phe Leu Val Ile Glu Met Tyr
65              70              75              80

Leu Leu Cys Phe
```

<210> 316
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 316
 Met Phe Pro Ile Leu Ser Ile Thr Thr Leu Ser Ile Leu Ala Phe Phe
 1 5 10 15
 Leu Trp Leu Ser Val Thr Ser His Phe Tyr Arg Gln Lys Thr Gly Phe
 20 25 30
 His His Ser Pro Ser Phe Tyr Leu Ile Val Gln Ile Trp Asp Thr Tyr
 35 40 45
 Ala Asp Ile Val Ala Ser Glu Tyr Val Phe Pro Trp Arg Xaa Thr Leu
 50 55 60
 Ser Ser Arg Glu Gln Cys Leu Ser Val Val Pro Val Ala Phe Ser Leu
 65 70 75 80
 Ile Asp Phe Ile Ser Lys Val Ser
 85

<210> 317
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 317
 Met Met Pro Thr Tyr Ala Ile Cys Met Val Leu Val Phe Leu Leu Leu
 1 5 10 15
 Val His Leu His Ile Ile Asn Thr Asn Thr His Thr His Thr His Thr
 20 25 30
 His Thr His Thr Gly Leu Leu Pro Glu Pro Tyr Met Leu Tyr Phe Gln
 35 40 45
 Phe Leu Ser Val Leu Arg Gly Tyr Ile Leu Ser Arg Trp Thr Asp Arg
 50 55 60
 Glu Tyr Thr Trp Ile Ser Thr Lys Ile Tyr Ser Pro Asn Ser Pro Glu
 65 70 75 80
 Pro Pro Ala Ser Cys Pro Ser Pro Thr Gln Ser Ile Ser Arg His Ala
 85 90 95
 Val Gln Gly Ser Thr Phe Leu Lys Ala Gln Leu Pro Thr Ser Glu Gln

100	105	110
Val Gln Ile His Pro Leu His Pro Pro Ile His Leu Ser Pro Leu		
115	120	125

<210> 318
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 318
 Met Thr Ser Leu Ala Arg Leu Pro Cys Ser Tyr Leu Cys Leu Pro Cys
 1 5 10 15
 Gln Leu Ser Ser Cys Cys Ala Phe Ser Gln Pro Ile Ser Ala Leu Leu
 20 25 30
 Pro Ser Pro Ser Thr Pro Val Leu Leu Ser Ala Pro Arg Pro Ser Ser
 35 40 45
 Gln Gly Val Pro Gly Thr Arg Ser Glu Phe Pro Ser Thr Pro Phe Cys
 50 55 60
 Leu Pro Ser Phe Pro Arg Glu Ser Phe Leu Asp Ser Phe His Leu Val
 65 70 75 80
 Ser Ser His

<210> 319
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 319
 Met Ala Lys Ala Pro Phe Tyr His Leu Leu Phe Cys Phe Gly Ile Trp
 1 5 10 15
 Ser Asp Ser Tyr Ser Ser Leu Gly Leu Ala Gln Trp Arg Asn Trp Cys
 20 25 30

Ser Tyr Cys Thr Gly Leu Cys Thr Pro Cys Asn Cys Asp Val Tyr Asp
35 40 45

Cys Ser Ser Cys Phe Pro Ile Leu His Phe Gln Ser Pro Arg Ala Xaa
50 55 60

Leu Xaa Arg Ile Thr Ser Thr Val Asn His Xaa Arg Asp Cys Thr Thr
65 70 75 80

Arg His Val Gly Gly Lys
85

<210> 320
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 320
Ile Xaa Gly Glu Pro Arg Phe Leu Gly Thr Met Pro Xaa Leu Glu Phe
1 5 10 15

Gly Ser Pro Pro Xaa Xaa Phe Gln Ala Gly Pro Glu Leu Pro Glu Asn
20 25 30

Asn Ser Gly Gln Leu Thr Thr Ser Asp Ser Ser Pro Pro Asn Met Ala
35 40 45

Tyr Pro Cys Ser Ser Asp Val Ile Leu Val Ala Ser Val Asn Ser Val
50 55 60

Cys His Ala Val Gln Thr
65 70

<210> 321
<211> 81
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 321

Met	Arg	Trp	Arg	Lys	Pro	Leu	Cys	Leu	Trp	Cys	Leu	Leu	Thr	Gln	Gly
1				5				10						15	

Glu	Thr	Glu	Ala	Gln	Ala	Gly	Gln	Pro	Leu	Ala	Trp	Gly	Gly	Gly	Trp
			20					25					30		

Val	Val	Leu	Arg	Pro	Val	Thr	Xaa	Pro	Xaa	Gln	His	Pro	Pro	Val	Asp
		35					40					45			

Pro	Leu	Pro	Ala	Xaa	Ala	Arg	Pro	Glu	Ser	Cys	Ser	Gln	Ala	Gln	Thr
	50					55					60				

Leu	Ala	Cys	Pro	Ser	Gly	Asp	Ala	Gly	Gln	Tyr	Ser	Ser	Leu	Gln	Pro
65					70					75					80

Ser

<210> 322

<211> 2

<212> PRT

<213> Homo sapiens

<400> 322

Arg Ala

1

<210> 323

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 323

Met	Thr	Ser	Gly	Pro	Arg	Gly	Val	Val	His	Phe	Tyr	Gly	Tyr	Ser	Val
1				5					10					15	
Val	Ser	Thr	Leu	Ala	Leu	Leu	Val	Ser	Ile	Ala	Phe	Pro	Ile	Pro	Ile
			20					25					30		
Cys	Gln	Gln	Trp	Glu	Pro	Ser	Tyr	Lys	Arg	Val	Lys	Ala	Leu	Ser	Ile
		35					40					45			
Val	Gly	Gly	Asp	Pro	His	Leu	Ile	Leu	Leu	Ala	Ser	Thr	Thr	Val	Leu
	50					55					60				
Val	Gly	Ala	Ile	Val	Ser	Thr	Val	Gln	Asn	Phe	Leu	Phe	Trp	His	Met
65					70					75					80
Lys	Asp	His	Gly	Ser	Gly	Glu	Leu	Val	Met	Gly	Phe	Ser	Val	Ala	Leu
				85					90					95	
Ser	Leu	Leu	Gly	Glu	Ile	Leu	Leu	His	Pro	Phe	Lys	Ala	Thr	Leu	Leu
			100					105					110		
Arg	Lys	Leu	Ser	Arg	Thr	Gly	Leu	Val	Gly	Leu	Gly	Leu	Ser	Cys	Leu
	115						120					125			
Ala	Gly	Gln	Leu	Leu	Tyr	Tyr	Ser	Xaa	Leu						
	130					135									

<210> 324

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 324
 Met Ala Ser Pro Ala Pro Ala Cys Leu Gly Ser Leu Leu Ser Trp Thr
 1 5 10 15
 Val Cys Gly Trp Gly Glu Val Val Ser Gly Pro Pro Cys Ala Val Ser
 20 25 30
 Ala Trp Gly Cys Ser Trp Ala Thr Trp Val Thr Pro Ser Val Val Val
 35 40 45
 Gln Leu Ala Pro Ser Gly Ala Val Gln Thr Pro Leu Ser Pro Glu Leu
 50 55 60
 Leu Xaa Ile Ser Phe Gln Leu His Ala Ala Pro Leu Gly Gln Phe Tyr
 65 70 75 80
 Phe Pro Ile Leu Gln Met Gly Lys Glu Lys Leu Arg Leu Arg Asn Met
 85 90 95
 Pro Lys Glu Ala Pro Xaa Pro Xaa Phe Xaa Leu Phe Xaa Leu Xaa Leu
 100 105 110
 Arg Xaa Xaa Leu Cys His Pro Gly Trp Xaa Ala Gly
 115 120

<210> 325
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 325
 Met Gly Gln Leu Cys His Ser Pro Ser Cys Leu Pro Ser Gly Ala Phe
 1 5 10 15
 Cys Leu Leu Leu Ser Ser Val Leu Gly Ile Ile Val Leu Asn Ser Thr
 20 25 30
 Asp Thr Ile Ser Ser Ser His Pro Pro Leu Ser Ser Asn Leu Pro Ser
 35 40 45
 Trp Gly Tyr Thr Thr Thr Lys Ala His Leu Ser Leu Gly Leu Xaa Gly
 50 55 60
 Phe Ala Gly Lys Glu Asn Met Lys Glu Leu Xaa Xaa Xaa Ser Ser Arg
 65 70 75 80
 Ser Phe

<210> 326
 <211> 248
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 326
 Met Thr Leu Leu Ser Leu Leu Gly Arg Ile Met Arg Tyr Phe Leu Leu
 1 5 10 15
 Arg Pro Glu Thr Leu Phe Leu Leu Cys Ile Ser Leu Ala Leu Trp Ser
 20 25 30
 Tyr Phe Phe His Thr Asp Glu Val Lys Thr Ile Val Lys Ser Ser Arg
 35 40 45
 Asp Ala Xaa Lys Met Val Lys Gly Lys Val Ala Glu Ile Met Gln Asn
 50 55 60
 Asp Arg Leu Gly Gly Leu Asp Val Leu Glu Ala Glu Phe Ser Lys Thr
 65 70 75 80
 Trp Glu Phe Lys Asn His Asn Val Ala Val Tyr Ser Ile Gln Gly Arg
 85 90 95

Arg Asp His Met Glu Asp Arg Phe Glu Val Leu Thr Asp Leu Ala Asn
 100 105 110
 Lys Thr His Pro Ser Ile Phe Gly Ile Phe Asp Gly His Gly Gly Glu
 115 120 125
 Thr Ala Ala Glu Tyr Val Lys Ser Arg Leu Pro Glu Ala Leu Lys Gln
 130 135 140
 His Leu Gln Asp Tyr Glu Lys Asp Lys Glu Asn Ser Val Leu Ser Tyr
 145 150 155 160
 Gln Thr Ile Leu Glu Gln Gln Ile Leu Ser Ile Asp Arg Glu Met Leu
 165 170 175
 Glu Lys Leu Thr Val Ser Tyr Asp Glu Ala Gly Thr Thr Cys Leu Ile
 180 185 190
 Ala Leu Leu Ser Asp Lys Asp Leu Thr Val Ala Asn Val Gly Asp Ser
 195 200 205
 Arg Gly Val Leu Cys Asp Lys Asp Gly Asn Ala Ile Pro Leu Ser His
 210 215 220
 Asp His Lys Pro Tyr Gln Leu Lys Glu Arg Lys Arg Ile Lys Arg Ala
 225 230 235 240
 Gly Gly Phe Ile Ser Phe Asn Gly
 245

<210> 327
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 327
 Phe Leu Ile Ala Leu Asp Leu Leu Asn Val Phe Cys Leu Leu Leu Ser
 1 5 10 15
 Val Phe Ser Leu Glu Ile Glu Cys Lys Pro Tyr
 20 25

<210> 328
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Lys Ser Lys Phe Cys Phe Ala Ser Pro Met Arg Leu Pro Lys Ala
 1 5 10 15
 Leu Leu Ala Phe Ser Ala Cys Trp Gln Leu Leu Ser Ala Trp Leu Leu
 20 25 30
 His Leu Ser Pro His Thr Ala Tyr Lys Ser Glu Lys Val Ser Arg Ile

Lys Ala Lys
50

<210> 329
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 329
Met Pro Asn Ser Leu Leu Gly Val Phe Phe Cys Phe Val Leu Phe Cys
1 5 10 15

Phe Val Leu Xaa Cys Leu Ile Gln Ser Phe Thr Leu Ser Pro Arg Leu
20 25 30

Glu

<210> 330
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 330
Gln Lys Ala Xaa Trp Ser Gln Leu Xaa Pro Ile Tyr Leu Thr Val Xaa
1 5 10 15

Ile Phe Gln Arg Gln Phe Gln Gly Tyr Tyr Ser His Asp Ser Thr His
20 25 30

Pro Gln Gly Val Arg Phe Ser Leu Cys Lys Cys Ile Met Thr Phe Tyr
35 40 45

Asn Thr Pro Cys His Ala Leu Phe Tyr Pro Ala Arg Ile Gly Val Trp
50 55 60

Pro Gln Leu Val Pro Thr Ser Ser Thr Ala Ile Thr Ser Ser Ser Ser
65 70 75 80

Ala Pro Ser Val Val Xaa Glu Pro Leu Val Ser Ser Glu Met His Met
85 90 95

Leu Lys Ser

<210> 331
<211> 35
<212> PRT
<213> Homo sapiens

<400> 331
Met Cys His His Ala Gln Leu Ile Phe Val Leu Leu Val Glu Thr Gly
1 5 10 15

Phe Cys His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser His Asp
20 25 30

Leu Arg Thr
35

<210> 332
<211> 262
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332
His Gly Pro Pro Glu Gly Ala Val Gly Cys Gln Arg Glu Gln Gln Arg
1 5 10 15

Gln Ala Ala Ala Gln Pro Arg Gln His Gln Ala Ile Arg Ser Val Gly
20 25 30

Arg Gln Pro Val Val Cys Cys Pro Gln Thr Leu Asp Ala Gly Leu Gly
35 40 45

Pro Gly His Ala Ala Val Ala Arg Pro Leu Leu Arg Pro Leu Gln Val
50 55 60

Gly Glu Ala Glu Cys Gly His Gly Gln Gln Gly Gly Gln Asp Pro Ala
65 70 75 80

Gly Ser Ala His Gly Pro Gly Val Leu Gly Ser Gln Val Ala Ser Gly
 85 90 95
 Glu Glu Gly Val His Asp Ala Gln Val Ala Val Glu Ala Asp Ala Gly
 100 105 110
 Asp Glu Asp Asp Ala Ala Gln Gln Val Ala Gly Glu Glu Glu Ala Leu
 115 120 125
 Gln Ala Ala Arg Gly Leu Pro Ile Ala Pro Val Leu Gly Gly Ile Glu
 130 135 140
 Val Gly Gly Gln Arg Gly Gln Arg Gln Xaa Ala Glu Gln Val Ala Asp
 145 150 155 160
 Cys Gln Leu Asp Arg Glu Asp His Gly Gly Val Pro Trp Ala Leu Leu
 165 170 175
 Pro Asp Ala Glu Ala Val Gln Gly Gln Ala Ile Ala Gly His Gly His
 180 185 190
 Gln Glu Leu Asn His Gln Tyr Gly Pro Gln Glu Val Pro Leu Glu Pro
 195 200 205
 Thr Glu Phe Val Val Gly Ser Cys Gln Glu Val Gly Arg Ala Gly Leu
 210 215 220
 Gly Thr Arg Asp Val Gly Cys His Ala Pro Val Pro Ile Leu Ser Leu
 225 230 235 240
 Cys Leu Leu Pro Ser Ser Pro Ala Pro Pro Pro Val Thr Ser Gly Leu
 245 250 255
 Val Gly Pro Ala Pro Ala
 260

<210> 333

<211> 82

<212> PRT

<213> Homo sapiens

<400> 333

Met Leu Thr Asn Arg Ala Pro Ser Ser Phe Val Trp Phe Leu Cys Leu
 1 5 10 15
 Ala Cys His Leu Pro Ser Cys Pro Ser Ala Thr Glu Glu Phe Ala Val
 20 25 30
 Phe Ile Pro Lys Tyr His Ser Ser Arg Met Gly Ala Ala Pro Cys His
 35 40 45
 Val Leu Gly His Gly Gly Ile Lys Gly Asn Thr Cys Gln Asp Asn Ala
 50 55 60
 Gly Tyr Asp Phe Cys Arg Pro Leu Gly Leu Ala Ser Phe Leu Lys Arg
 65 70 75 80

Gln Asp

<210> 334

<211> 587

<212> PRT

<213> Homo sapiens

<400> 334

Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15

Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30

Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60

Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80

Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95

Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110

Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125

Leu Asn Phe Thr Ala Asn Pro Pro Gln Arg Val Phe Glu Leu Val Asp
130 135 140

Gln Ile Asn Pro Ser Ile Phe Cys Ile His Ile Thr Asn Tyr Lys Pro
145 150 155 160

Ala Leu Ser Phe Ile Asn Pro Glu Val Pro Asp Glu Asn Asn Phe Asp
165 170 175

Thr Leu Met Lys Thr Ser Asp Gly Phe Thr Leu Asn Ala Glu Ser Tyr
180 185 190

Val Ser Phe Thr Thr Lys Leu Asp Ile Pro Thr Ala Ala Lys Tyr Glu
195 200 205

Tyr Gly Val Pro Leu Gln Thr Ser Asp Ser Phe Leu Arg Phe Pro Ser
210 215 220

Ser Leu Thr Ser Ser Leu Cys Thr Asp Asn Asn Pro Ala Ala Phe Leu
225 230 235 240

Val Asn Gln Ala Val Lys Cys Thr Arg Lys Ile Asn Leu Glu Gln Cys
245 250 255

Glu Glu Ile Glu Ala Leu Ser Met Ala Phe Tyr Ser Ser Pro Glu Ile

260					265					270					
Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys	Lys	Val	Pro	Ile	Thr	Val	Gln	Ser
		275					280					285			
Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys	Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr
		290				295					300				
Asp	Val	Leu	Gln	Pro	Thr	Leu	Val	Asn	Ala	Gly	His	Phe	Ser	Leu	Cys
305					310					315					320
Val	Asn	Val	Val	Leu	Glu	Val	Lys	Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala
				325					330					335	
Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu	Ser	Phe	Val	Leu	Gly	Thr	Val	Ser
			340					345					350		
Ser	Val	Val	Val	Pro	Leu	Gln	Gln	Lys	Phe	Glu	Ile	His	Phe	Leu	Gln
		355					360					365			
Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu	Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val
	370					375					380				
Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe	Gln	Pro	His	Lys	Gly	Ser	Gly	Ile
385					390					395					400
Ile	Gln	Thr	Thr	Asn	Arg	Tyr	Gly	Gln	Leu	Thr	Ile	Leu	His	Ser	Thr
				405					410					415	
Thr	Glu	Gln	Asp	Cys	Leu	Ala	Leu	Glu	Gly	Val	Arg	Thr	Pro	Val	Leu
			420					425					430		
Phe	Gly	Tyr	Thr	Met	Gln	Ser	Gly	Cys	Lys	Leu	Arg	Leu	Thr	Gly	Ala
		435					440					445			
Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys	Val	Lys	Ser	Leu	Leu	Trp	Gly
	450					455					460				
Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro	Phe	Gly	Asn	Ser	Gln	Ala	Gln
465					470					475					480
Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His	Phe	Ile	Thr	Gln	Ser	Phe	Asn
				485					490					495	
Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly	Ala	Leu	Val	Ile	Glu	Val	Lys
			500					505					510		
Trp	Thr	Lys	Tyr	Gly	Ser	Leu	Leu	Asn	Pro	Gln	Ala	Lys	Ile	Val	Asn
		515					520					525			
Val	Thr	Ala	Asn	Leu	Ile	Ser	Ser	Ser	Phe	Pro	Glu	Ala	Asn	Ser	Gly
		530				535					540				
Asn	Glu	Arg	Thr	Ile	Leu	Ile	Ser	Thr	Ala	Val	Thr	Phe	Val	Asp	Val
545					550					555					560
Ser	Ala	Pro	Ala	Glu	Ala	Gly	Phe	Arg	Ala	Pro	Pro	Ala	Ile	Asn	Ala
				565					570					575	
Arg	Leu	Pro	Phe	Asn	Phe	Phe	Phe	Pro	Phe	Val					

<210> 335
 <211> 337
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (173)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (320)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 335
 Met Gly Leu Ile Val Val Leu Leu Phe Pro Asn Leu Cys Met Cys Thr
 1 5 10 15
 Phe His Ala Gly Gly Phe Gln Cys Val Leu Trp Met Ala Gly Leu Lys
 20 25 30
 Arg Arg Val Pro Leu His Ser Leu Arg Tyr Phe Ile Ser Met Val Gly
 35 40 45
 Leu Phe Ser Lys Pro Gly Leu Leu Pro Trp Tyr Ala Arg Asn Pro Pro
 50 55 60
 Gly Trp Ser Gln Leu Phe Leu Gly Thr Val Cys Lys Gly Asp Phe Thr
 65 70 75 80
 Arg Val Ile Ala Thr Lys Cys Gln Lys Gly Gln Lys Ser Gln Lys Lys
 85 90 95
 Pro Ser His Leu Gly Pro Leu Asp Gly Ser Trp Gln Glu Arg Leu Ala
 100 105 110
 Asp Val Val Thr Pro Leu Trp Arg Leu Ser Tyr Glu Glu Gln Leu Lys
 115 120 125
 Val Lys Phe Ala Ala Gln Lys Lys Ile Leu Gln Arg Leu Glu Ser Tyr
 130 135 140
 Ile Gln Met Leu Asn Gly Val Ser Val Thr Thr Ala Val Pro Lys Ser
 145 150 155 160
 Glu Arg Leu Ser Cys Leu Leu His Pro Ile Ile Pro Xaa Pro Val Ile
 165 170 175
 Asn Gly Tyr Arg Asn Lys Ser Thr Phe Ser Val Asn Arg Gly Pro Asp

180	185	190
Gly Asn Pro Lys Thr Val Gly Phe Tyr Leu Gly Thr Trp Arg Asp Gly		
195	200	205
Asn Val Val Cys Val Gln Ser Asn His Leu Lys Asn Ile Pro Glu Lys		
210	215	220
His Ser Gln Val Ala Gln Tyr Tyr Glu Val Phe Leu Arg Gln Ser Pro		
225	230	235 240
Leu Glu Pro Cys Leu Val Phe His Glu Gly Gly Tyr Trp Arg Xaa Leu		
245	250	255
Thr Val Arg Thr Asn Ser Gln Gly His Thr Met Ala Ile Ile Thr Phe		
260	265	270
His Pro Gln Lys Leu Ser Gln Glu Glu Leu His Val Gln Lys Glu Ile		
275	280	285
Val Lys Glu Phe Phe Ile Lys Arg Ser Trp Ser Ser Leu Trp Leu Asp		
290	295	300
Leu Thr Leu Leu Pro Gly Lys Tyr His Asp Pro Leu Gln Pro Ser Xaa		
305	310	315 320
Val Ser Leu Ser Ser Phe Cys Leu Gly Asn Leu His Leu Leu Lys Asn		
325	330	335

Phe

<210> 336
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 336

Met Ser Asn Thr Asn Gly Ser Ala Ile Thr Glu Phe Ile Leu Leu Gly
1 5 10 15
Leu Thr Asp Cys Pro Glu Leu Gln Ser Leu Leu Phe Val Leu Phe Leu
20 25 30
Val Val Tyr Leu Val Thr Leu Leu Gly Asn Leu Gly Met Ile Met Leu
35 40 45
Met Arg Leu Asp Ser Arg Leu His Thr Pro Met Tyr Phe Phe Leu Thr
50 55 60
Asn Leu Ala Phe Val Asp Leu Cys Tyr Thr Ser Asn Ala Thr Pro Gln
65 70 75 80
Met Ser Thr Asn Ile Val Ser Glu Lys Thr Ile Ser Phe Ala Gly Cys
85 90 95
Phe Thr Gln Cys Tyr Ile Phe Ile Ala Leu Leu Leu Thr Glu Phe Tyr
100 105 110

Met Leu Ala Ala Met Ala Tyr Asp Arg Tyr Val Ala Ile
 115 120 125

<210> 337
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 337
 Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
 1 5 10 15
 Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
 20 25 30
 Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
 35 40 45
 Ser Thr Asn Leu Lys Ala Phe Thr Ala Val Ser Cys Asn Val Gly Gly
 50 55 60
 Leu His Leu Gly Leu Gln Gly Pro Trp Glu Ser Ser Arg Thr Pro Arg
 65 70 75 80
 Pro Cys Leu Asn Cys Ala Ile Asn Phe Gln Ser Tyr His Glu Pro Thr
 85 90 95
 Ser Pro His Arg Ala Ser Val Ala Thr Met Trp Ala Ser Pro Val Gln
 100 105 110
 Thr Thr Glu His Ser Thr Met Thr Gly His Ser Tyr Lys Ser Arg Asp
 115 120 125
 His Gln Ser Cys
 130

<210> 338
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 338
 Met Arg Leu Leu Val Leu Ser Ser Leu Leu Cys Ile Leu Leu Leu Cys
 1 5 10 15
 Phe Ser Ile Phe Ser Thr Glu Gly Lys Arg Arg Pro Ala Lys Ala Trp
 20 25 30
 Ser Gly Arg Arg Thr Arg Leu Cys Cys His Arg Val Pro Ser Pro Asn
 35 40 45
 Ser Thr Asn Leu Lys Gly His His Val Arg Leu Cys Lys Pro Cys Lys
 50 55 60
 Leu Glu Pro Glu Pro Arg Leu Trp Val Val Pro Gly Ala Leu Pro Gln

65

70

75

80

Val

<210> 339

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (166)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 339

Met	Ser	Gly	Leu	Ser	Arg	Pro	Leu	Leu	Leu	Ala	Val	Gly	Cys	Leu	Ala
1				5					10					15	

Ala	Leu	Cys	Val	Ile	Thr	Ala	Ala	Gly	Asn	Thr	Thr	Leu	Ala	Pro	Asn
			20					25					30		

Val	Thr	Thr	Ala	Ser	Ser	Pro	Pro	Pro	Thr	Thr	Thr	Thr	Val	Pro	Val
			35				40					45			

Ser	Pro	Thr	Thr	Leu	Ser	Pro	Leu	Pro	Val	Thr	Thr	Pro	Ala	Pro	Asp
	50					55					60				

Ile	Cys	Gly	Ser	Arg	Asn	Ser	Cys	Val	Ser	Cys	Val	Asp	Gly	Asn	Ala
65					70					75					80

Thr	Cys	Phe	Trp	Ile	Glu	Cys	Lys	Gly	Lys	Ser	Tyr	Cys	Ser	Asp	Asn
				85					90					95	

Ser	Thr	Ala	Gly	Asp	Cys	Lys	Val	Val	Asn	Thr	Thr	Gly	Phe	Cys	Ser
			100					105					110		

Ala	Lys	Thr	Thr	Thr	Leu	Pro	Ser	Thr	Thr	Thr	Thr	Ser	Thr	Thr	Xaa
			115				120					125			

Thr	Thr	Ser	Gly	Thr	Thr	Asn	Thr	Thr	Leu	Ser	Pro	Thr	Ile	Gln	Pro
	130					135					140				

Thr Arg Lys Ser Thr Phe Asp Ala Xaa Gln Phe His Trp Arg Asn Xaa
 145 150 155 160

Pro Cys Leu Gly Val Xaa Ala Val Ile Phe Phe Leu Tyr
 165 170

<210> 340
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 340
 Met Ser Arg Cys Thr Trp Pro Ser Phe Ser Phe Phe Leu Ser Ser Phe
 1 5 10 15

Leu Ser Phe Phe Arg Trp Ser Leu Ala Leu Ser Ala Arg Leu Glu Gly
 20 25 30

Ser Gly Val Ile Leu Ala His Cys Asn Leu Arg Leu Pro Gly Ser Ser
 35 40 45

Asp Ser Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly Met Ser
 50 55 60

Arg Cys Ala Asp Val His Leu Val Ser Ile Ile Thr Lys Ala His Leu
 65 70 75 80

Val Ser Trp Pro Leu Gln Met Asn Ile Leu Pro
 85 90

<210> 341
 <211> 139
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 341
 Pro Pro Arg Pro Gly Cys Pro Val Pro Gln Trp Gly Cys Ser Ser Ala
 1 5 10 15

Trp Pro Cys Pro Ser Gln Xaa His His His Pro Ala Asn Asp Cys Gln
 20 25 30

Thr Val Gly Arg His Ser Pro Leu Asp Leu Asn Leu Lys Ser Pro Ser
 35 40 45

Leu Pro Trp Leu Asp Pro Gly Asp Pro Phe Ala Leu Pro Ser Ala Pro
 50 55 60

Ser Pro Thr Asp Leu Leu Cys Asp Leu Arg Pro Val Cys Arg Pro Leu
 65 70 75 80

Trp Ala Ser Val Phe Pro Ala Met Lys Thr Ala Ile Ser Gln Ser Cys
85 90 95

Val Lys Gln Lys Arg Lys Ala Gly Gly Arg Pro Trp Ala Asn Gly Arg
100 105 110

Ala Leu Val Ile Ile Asn Ile Val Ala Ala Val Val Leu Leu Leu Leu
115 120 125

Ile Asn Ile His Ile Ile Tyr Phe Ile Leu Thr
130 135

<210> 342

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 342

Met Val Phe Pro Leu Leu Cys Val Phe Val Leu Ile Ser Ser Ser Leu
1 5 10 15

Ala Gly Glu Glu Ala Ala Gly Leu Arg Val Gln Lys Leu Trp Pro Ala
20 25 30

Val Xaa Leu Ser His Leu Pro Val Cys Trp Phe His Cys Ser Gly Ile
35 40 45

Trp Ser Glu Val Ile Glu Leu Lys Val Gly Trp Glu Gly His Xaa Leu
50 55 60

Pro Trp Gln Ala His Val Xaa Glu Phe Lys Val Val Glu His Leu Ile
65 70 75 80

Ser Xaa Met Gly Ala Gly
85

<210> 343
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 343
 Met His Cys His Cys Arg Val Trp Gly Phe Arg Trp Phe Leu Gly Asp
 1 5 10 15
 Trp Glu Leu Leu Val Cys Met Cys Trp Val His Ala Ser Gly Ser Gln
 20 25 30
 Leu Pro Gln Ala Arg Thr Gly Asn Pro Phe Pro Ser Lys Ala Ile Gly
 35 40 45
 Gly Ala Ser Leu Glu Ser Phe Ala Lys Ser Pro Arg Gln Asn Pro Arg
 50 55 60
 Val Gln Asp His Phe His Gly Ala His Val Phe Leu Phe Cys Arg Asn
 65 70 75 80
 Phe Phe Leu Thr Ser Thr His His Asn Ser Glu Gly His Val Ser Ser
 85 90 95
 Phe Leu Asp His Tyr Ser Glu Val Leu Gln Leu Tyr Ser Ser Gln Ser
 100 105 110
 Gly Leu Gly Leu Leu Gly
 115

<210> 344
 <211> 365
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (253)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (365)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 344
 Met Phe Gly Thr Leu Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
 1 5 10 15
 Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
 20 25 30
 Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg

35					40					45					
Tyr	Phe	Tyr	Ile	Gln	Ala	Val	Asp	Thr	Ser	Gly	Asn	Lys	Phe	Thr	Ser
50					55					60					
Ser	Pro	Gly	Glu	Lys	Val	Phe	Gln	Val	Lys	Val	Ser	Ala	Pro	Glu	Glu
65					70					75					80
Gln	Phe	Thr	Arg	Val	Gly	Val	Gln	Val	Leu	Asp	Arg	Lys	Asp	Gly	Ser
				85					90					95	
Phe	Ile	Val	Arg	Tyr	Arg	Met	Tyr	Ala	Ser	Tyr	Lys	Asn	Leu	Lys	Val
			100					105					110		
Glu	Val	Lys	Phe	Gln	Gly	Gln	His	Val	Ala	Lys	Ser	Pro	Tyr	Ile	Leu
		115					120					125			
Lys	Gly	Pro	Val	Tyr	His	Glu	Asn	Cys	Asp	Cys	Pro	Leu	Gln	Asp	Ser
		130					135					140			
Ala	Ala	Trp	Leu	Arg	Glu	Met	Asn	Cys	Pro	Glu	Thr	Ile	Ala	Gln	Ile
145					150					155					160
Gln	Arg	Asp	Leu	Ala	His	Phe	Pro	Ala	Val	Asp	Pro	Glu	Lys	Ile	Ala
				165					170					175	
Val	Glu	Ile	Pro	Lys	Arg	Phe	Gly	Gln	Arg	Gln	Ser	Xaa	Cys	His	Tyr
			180					185					190		
Thr	Leu	Lys	Asp	Asn	Lys	Val	Tyr	Ile	Lys	Thr	His	Gly	Glu	His	Val
		195					200					205			
Gly	Phe	Arg	Ile	Phe	Met	Asp	Ala	Ile	Leu	Leu	Ser	Leu	Thr	Arg	Lys
		210					215					220			
Val	Lys	Met	Pro	Asp	Val	Glu	Leu	Phe	Val	Asn	Leu	Gly	Asp	Trp	Pro
225					230					235					240
Leu	Glu	Lys	Lys	Lys	Ser	Asn	Ser	Asn	Ile	His	Pro	Xaa	Phe	Ser	Trp
				245					250					255	
Cys	Gly	Ser	Thr	Asp	Ser	Lys	Asp	Ile	Val	Met	Pro	Thr	Tyr	Asp	Leu
			260					265					270		
Thr	Asp	Ser	Val	Leu	Glu	Thr	Met	Gly	Arg	Val	Ser	Leu	Asp	Met	Met
		275					280					285			
Ser	Val	Gln	Ala	Asn	Thr	Gly	Pro	Pro	Trp	Glu	Ser	Lys	Asn	Ser	Thr
		290					295					300			
Ala	Val	Trp	Arg	Gly	Arg	Asp	Ser	Arg	Lys	Glu	Arg	Leu	Glu	Leu	Val
305					310					315					320
Lys	Leu	Ser	Arg	Lys	His	Pro	Glu	Leu	Ile	Asp	Ala	Ala	Phe	Thr	Asn
				325					330					335	
Phe	Phe	Phe	Phe	Lys	His	Asp	Glu	Asn	Leu	Tyr	Gly	Pro	Ile	Val	Asn
			340					345					350		

Ile Phe His Phe Leu Ile Ser Ser Ser Ile Ser Ile Xaa
 355 360 365

<210> 345
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 345
 Met Thr Xaa Gln Leu Leu Phe Asn Ser Phe Leu Leu Ser Ser Val Ser
 1 5 10 15

Gln Ile Arg Asp Gln Ile Ala Met Arg Glu Ser Val Trp Ser Gly Ser
 20 25 30

Ile Ser Arg Gln Lys Glu Leu Val Thr Leu Trp Ile Ile Cys Leu Trp
 35 40 45

Phe Arg His Leu Pro Leu Val Leu Ala Val Gly Asp Gly Trp
 50 55 60

<210> 346
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 346
 Cys Pro Ala Leu Phe Asn Ile Xaa Phe Glu Asn Ser Ile Leu Tyr Cys
 1 5 10 15

Gln Ile

<210> 347
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 347
 Met Gly His Arg Thr Leu Val Leu Pro Trp Val Leu Leu Thr Leu Cys
 1 5 10 15

Val Thr Ala Gly Thr Pro Glu Val Trp Val Gln Val Arg Met Glu Ala
 20 25 30

Thr Glu Leu Ser Ser Phe Thr Ile Arg Cys Gly Phe Leu Gly Ser Gly
 35 40 45
 Ser Ile Ser Leu Val Thr Val Ser Trp Gly Gly Pro Asp Gly Ala Gly
 50 55 60
 Gly Thr Thr Leu Ala Val Leu His Pro Glu Arg Gly Ile Arg Gln Trp
 65 70 75 80
 Ala Pro Ala Arg Gln Ala Arg Trp Glu Thr Gln Ser Ser Ile Ser Leu
 85 90 95
 Ile Leu Glu Gly Ser Gly Ala Ser Ser Pro Cys Ala Asn Thr Thr Phe
 100 105 110
 Cys Cys Lys Phe Ala Ser Phe Pro Glu Gly Ser Trp Glu Ala Cys Gly
 115 120 125
 Ser Leu Pro Pro Ser Ser Asp Pro Gly Leu Ser Ala Pro Pro Thr Pro
 130 135 140
 Ala Pro Ile Leu Arg Ala Asp Leu Ala Gly Ile Leu Gly Val Ser Gly
 145 150 155 160
 Val Leu Leu Phe Gly Cys Val Tyr Leu Leu His Leu Leu Arg Arg His
 165 170 175
 Lys His Arg Pro Ala Pro Arg Leu Gln Pro Ser Arg Thr Ser Pro Gln
 180 185 190
 Ala Pro Arg Ala Arg Ala Trp Ala Pro Ser Gln Ala Ser Gln Ala Ala
 195 200 205
 Leu His Val Pro Tyr Ala Thr Ile Asn Thr Ser Cys Arg Pro Ala Thr
 210 215 220
 Leu Asp Thr Ala His Pro His Gly Gly Pro Ser Trp Trp Ala Ser Leu
 225 230 235 240
 Pro Thr His Ala Ala His Arg Pro Gln Gly Pro Ala Ala Trp Ala Ser
 245 250 255
 Thr Pro Ile Pro Ala Arg Gly Ser Phe Val Ser Val Glu Asn Gly Leu
 260 265 270
 Tyr Ala Gln Ala Gly Glu Arg Pro Pro His Thr Gly Pro Gly Leu Thr
 275 280 285
 Leu Phe Pro Asp Pro Arg Gly Pro Arg Ala Met Glu Gly Pro Leu Gly
 290 295 300
 Val Arg
 305

<210> 348
 <211> 106
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 348

Met Gly Trp Ser Arg Gly Glu Gly Gln Gln Gly Trp Leu Ala Ala Ala
1 5 10 15

Leu Cys Gly Trp Thr Arg Leu Gly Lys Ala Glu Gly Ser Glu Gly Trp
20 25 30

Ala Thr Leu Glu Gly Cys Gln Val Pro Ser Leu Leu Gln Gly Asn Glu
35 40 45

Gly Gly Ala Ala Leu Asn Arg His Met Pro Lys Gln Gly Ile Asp Ala
50 55 60

Trp Ile Lys Leu Ala Thr Thr Arg Arg Ser Leu Phe Gly Ile Phe Gln
65 70 75 80

Ile Leu Arg His Pro Ser Cys Asp Asp Gly Val Glu Arg Xaa Thr Gly
85 90 95

Pro Leu Glu Phe Cys Xaa Leu His Arg Xaa
100 105

<210> 349

<211> 137

<212> PRT

<213> Homo sapiens

<400> 349

Ala Leu Met Ser Arg Gln Arg Gly Pro Gly Glu Asn Pro Ala Pro Ser
1 5 10 15

Val Ile Pro Leu His Phe Leu Pro Ser Phe Leu Leu Cys Leu Ala Lys
20 25 30

Glu Gly Ser Ser Leu Gly Cys Pro Tyr Asn Ala Pro Gly Pro Arg Leu
35 40 45

Ser Asn Lys Lys Pro Glu Pro Cys Gly Pro Val Ala Arg Ala Ser Ser
50 55 60

Gly Arg Leu Pro Leu Leu Cys Leu Gly Pro Leu Ser Pro Ala Ser Arg

65		70		75		80
Ala Arg Val Arg Leu Gln Ala Ser Gly His Cys Pro Gly Cys Asp Gly						
	85			90		95
Thr Lys Ala Gly Gly Ala Pro Gly Thr Thr Gln Leu Gly Phe Pro Pro						
	100			105		110
Gly Phe Pro Ala Gly Val Ser Gly Ser Phe Ser Pro Ala Leu Leu Gly						
	115			120		125
Val Cys Arg Asn Trp Pro Cys Ser Pro						
	130			135		

<210> 350

<211> 102

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 350

Glu Thr Arg Thr Leu Gln Pro Pro Gly Pro Xaa Cys Val Cys Arg Pro
1 5 10 15

Val Ala Thr Val Arg Ala Val Met Ala Pro Arg Gln Val Glu His Gln
20 25 30

Val Pro His Ser Trp Ala Ser His Gln Ala Phe Pro Arg Gly Ser Gln
35 40 45

Gly Ala Ser Pro Gln Arg Cys Xaa Glu Ser Ala Gly Thr Gly Leu Val
50 55 60

Leu Leu Ser Pro Ser Leu His Thr Val Leu Gly Glu Asp Gly Cys Gly
65 70 75 80

Arg Cys Pro Cys Arg Glu Val Thr Val Glu Val Ala Val Ala Cys Ser
85 90 95

His Leu Trp Glu Glu Lys
100

<210> 351

<211> 133

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 351
 Met Arg Leu Phe Val Ser Val Thr Val Leu Val Ile Cys Leu Ala Asp
 1 5 10 15
 Leu Glu Glu Glu Ser Glu Ser Trp Asp Asn Ser Glu Ser Glu Glu Glu
 20 25 30
 Glu Lys Ala Pro Val Leu Pro Glu Ser Thr Glu Gly Arg Glu Leu Thr
 35 40 45
 Gln Gly Pro Ala Glu Ser Ser Ser Leu Ser Gly Cys Gly Ser Trp Gln
 50 55 60
 Pro Arg Lys Leu Pro Val Phe Lys Ser Leu Arg His Met Arg Gln Val
 65 70 75 80
 Gly Gly Arg Gly Thr Ala His Gln Glu Leu Arg Arg Arg Ala Asn His
 85 90 95
 Gly Leu Ser Leu Pro Thr Arg Leu Ala Ser Gly Pro Ser Thr Phe Lys
 100 105 110
 Thr Leu Gln Glu Val Thr Asp Ser Leu Leu Gly Gly Trp Leu Arg Ala
 115 120 125
 Gln Gly Xaa Gly Gly
 130

<210> 352
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 352
 Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile
 1 5 10 15
 Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln
 20 25 30
 Thr Val Thr Val Phe Phe Glu Lys Gln Thr Arg Leu Met Lys Ile Gly
 35 40 45

Ile Val Arg Arg Ile Leu Leu Thr Leu Val Ser Pro Phe Ala Met Ile
 50 55 60
 Ala Phe Leu Ser Leu Asp Ser Ser Leu Gln Gly Leu His Ser Val Ser
 65 70 75 80
 Val Cys Ile Gly Phe Thr Arg Ala Phe Arg Met Val Trp Gln Asn Xaa
 85 90 95
 Glu Xaa Ala Leu Leu Glu Thr Val Ile Val Ser Thr Val His Leu Ile
 100 105 110
 Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Leu Arg
 115 120 125
 Leu Leu Leu Val Gly Ile His Thr
 130 135

<210> 353
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (133)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 353
 Met Ile Leu Leu Ile Ile Leu Trp Ile Leu Arg Glu Ile Gln Ser Ile
 1 5 10 15

Tyr Ile Ile Gly Ile Phe Arg Asn Pro Phe Tyr Pro Lys Asp Val Gln
 20 25 30

Thr Val Thr Val Phe Phe Glu Lys Gln Thr Arg Leu Xaa Lys Ile Gly
 35 40 45

Ile Val Arg Arg Ile Leu Leu Thr Leu Val Ser Pro Phe Ala Met Ile
 50 55 60

Ala Phe Leu Ser Leu Asp Ser Ser Leu Gln Gly Leu His Ser Val Ser
 65 70 75 80

Val Cys Ile Gly Phe Thr Arg Ala Phe Arg Met Val Trp Gln Asn Thr
 85 90 95

Glu Asn Ala Leu Leu Glu Thr Val Ile Val Ser Thr Val His Leu Ile
 100 105 110

Ser Ser Thr Asp Ile Trp Trp Asn Arg Ser Leu Asp Thr Gly Gly Thr
 115 120 125

His Phe Val Asn Xaa Val
130

<210> 354

<211> 303

<212> PRT

<213> Homo sapiens

<400> 354

Gly Arg Leu Arg Gly Ala Gly Arg Gly Val Gln Arg Ala Met Ala Ala
1 5 10 15

Leu Arg Val Leu Leu Ser Cys Ala Arg Gly Pro Leu Arg Pro Pro Val
20 25 30

Arg Cys Pro Ala Trp Arg Pro Phe Ala Ser Gly Ala Asn Phe Glu Tyr
35 40 45

Ile Ile Ala Glu Lys Arg Gly Lys Asn Asn Thr Val Gly Leu Ile Gln
50 55 60

Leu Asn Arg Pro Lys Ala Leu Asn Ala Leu Cys Asp Gly Leu Ile Asp
65 70 75 80

Glu Leu Asn Gln Ala Leu Lys Ile Phe Glu Glu Asp Pro Ala Val Gly
85 90 95

Ala Ile Val Leu Thr Gly Gly Asp Lys Ala Phe Ala Ala Gly Ala Asp
100 105 110

Ile Lys Glu Met Gln Asn Leu Ser Phe Gln Asp Cys Tyr Ser Ser Lys
115 120 125

Phe Leu Lys His Trp Asp His Leu Thr Gln Val Lys Lys Pro Val Ile
130 135 140

Ala Ala Val Asn Gly Tyr Ala Phe Gly Gly Gly Cys Glu Leu Ala Met
145 150 155 160

Met Cys Asp Ile Ile Tyr Ala Gly Glu Lys Ala Gln Phe Ala Gln Pro
165 170 175

Glu Ile Leu Ile Gly Thr Ile Pro Gly Ala Gly Gly Thr Gln Arg Leu
180 185 190

Thr Arg Ala Val Gly Lys Ser Leu Ala Met Glu Met Val Leu Thr Gly
195 200 205

Asp Arg Ile Ser Ala Gln Asp Ala Lys Gln Ala Gly Leu Val Ser Lys
210 215 220

Ile Cys Pro Val Glu Thr Leu Val Glu Glu Ala Ile Gln Cys Ala Glu
225 230 235 240

Lys Ile Ala Ser Asn Ser Lys Ile Val Val Ala Met Ala Lys Glu Ser
245 250 255

Val Asn Ala Ala Phe Glu Met Thr Leu Thr Glu Gly Ser Lys Leu Glu

260							265					270			
Lys	Lys	Leu	Phe	Tyr	Ser	Thr	Phe	Ala	Thr	Asp	Asp	Arg	Lys	Glu	Gly
		275					280					285			
Met	Thr	Ala	Phe	Val	Glu	Lys	Arg	Lys	Ala	Asn	Phe	Lys	Asp	Gln	
	290					295					300				

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<210> 356
<211> 93
<212> PRT
<213> Homo sapiens
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Met Leu Leu Ser Pro Leu Leu Gly Met Ser Phe Ser Ala Cys Gln Thr
20 25 30
Pro Ser Lys Ser Ser Ser Asp Val Thr Phe Ser Leu Ser Thr Pro Asp
35 40 45
Pro Thr Pro Gln Ile Asp Leu Val Gln Pro Ser Ser Gly Phe Pro Gln
50 55 60
His Ser Val Gln Phe Glu Arg Ser Phe Ile Xaa Val Ile Ile Thr Phe
65 70 75 80
Phe Lys Asn Asn Phe Ile Phe Ile Asn Leu Ile Arg Leu
85 90

<210> 357
<211> 122
<212> PRT
<213> Homo sapiens

<400> 357
Met Leu His Ser Leu Ala Leu Ala Glu Phe Cys Arg Asp Trp Gln His
1 5 10 15
Cys Val Pro Ala Cys Ser Pro Thr Val Ala Val Leu Phe Pro Arg Val
20 25 30
Gln Arg Arg Phe Phe Leu Cys Ala Leu Trp Leu Leu Arg Ala His Gly
35 40 45
Gly Gly Leu Gly Ser Ala Ile Gln Asp Cys Leu Phe Tyr Pro Leu His
50 55 60
Cys Leu Phe Gln Gln Tyr Glu Gly Thr Val Ile Ala His Met Ile Phe
65 70 75 80
Gly Ser Tyr Glu Gly Ala Phe Cys Val Gly Gly Cys Gln Ile Trp Cys
85 90 95
Ser Cys Arg Glu Asp Asn Arg Trp Arg Leu Leu Phe Gly His Ile Ala
100 105 110
Leu Pro Pro Ile Pro Ala Cys Phe Tyr Phe
115 120

<210> 358
<211> 95
<212> PRT
<213> Homo sapiens

<400> 358
Met Gly Ala Ala Trp Pro Arg Arg Ala Arg Ser Trp Trp Ile Arg Thr
1 5 10 15
Ser Thr Ala Ser Ser Pro Ser Pro Ser Ser Ser Ile Thr Leu Leu Trp

			20						25							30			
Thr	Pro	Cys	Met	Trp	Ala	Glu	Ser	Trp	Ala	Cys	Cys	Ser	Ser	Pro	Thr				
		35					40					45							
Tyr	Thr	Arg	Thr	Gly	Lys	Cys	Ser	Thr	Asn	Arg	Thr	Pro	Arg	Trp	Pro				
	50					55					60								
Pro	Ala	Leu	Thr	Ser	Met	Pro	Arg	Thr	Ser	Thr	Phe	Gln	Gln	Trp	Leu				
65					70					75					80				
Ser	Ser	Pro	Thr	Phe	Trp	Trp	Leu	Ala	Cys	Ala	Gly	Asp	Pro	Gly					
				85					90					95					

<210> 359

<211> 129

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 359

Met	Asn	Lys	Arg	Ala	Lys	Phe	Glu	Leu	Arg	Lys	Pro	Leu	Val	Leu	Trp
1				5					10					15	

Ser	Leu	Thr	Leu	Ala	Val	Phe	Ser	Ile	Phe	Gly	Ala	Leu	Arg	Thr	Gly
		20						25					30		

Ala	Tyr	Met	Val	Tyr	Ile	Leu	Met	Thr	Lys	Gly	Leu	Lys	Gln	Ser	Val
		35					40					45			

Cys	Asp	Gln	Xaa	Phe	Tyr	Asn	Gly	Pro	Val	Ser	Lys	Phe	Trp	Ala	Tyr
	50					55					60				

Ala	Phe	Val	Leu	Ser	Lys	Ala	Pro	Glu	Leu	Gly	Asp	Thr	Ile	Phe	Ile
65					70					75					80

Ile	Leu	Arg	Lys	Gln	Lys	Leu	Ile	Phe	Leu	His	Trp	Tyr	His	His	Ile
			85						90					95	

Thr	Val	Leu	Leu	Tyr	Ser	Trp	Tyr	Ser	Tyr	Lys	Asp	Met	Xaa	Cys	Arg
		100						105					110		

Gly	Gly	Trp	Phe	Met	Thr	Met	Asn	Tyr	Gly	Val	His	Ala	Val	Met	Tyr
		115					120					125			

Ser

<210> 360
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 360
 Met Gly Asp Lys Glu Ser Ser Ser Ser Lys Pro Ser Leu Ala Gly Trp
 1 5 10 15
 Val Pro Leu Leu Leu Gly Gly Ala Phe Ser Cys Thr Pro Leu Pro Pro
 20 25 30
 Arg Gly Glu Ser Gln Gln Pro Asn Gln Thr Ala Gln Val Val His Leu
 35 40 45
 Met Glu Thr Thr Gly Leu Lys His Val Leu Tyr Ser Pro Val Tyr Phe
 50 55 60
 Cys Cys Tyr Phe Glu Ala Trp Lys Phe Leu Phe Gly Gly Ser Trp Gly
 65 70 75 80
 Tyr Ser Ser Gly

<210> 361
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 361
 Thr Ser Asn Val Asn Ala Gln Asn His Gln Xaa Pro Thr His Leu Arg
 1 5 10 15

Val Asn Xaa Tyr Asp Val Xaa Phe Gly Val Asn Val Gly Asn Glu Thr
20 25 30

Ala Met Lys Ala Pro Glu Leu Lys Asp Val Gly Lys Trp Ala Ala Val
35 40 45

His Cys Pro Ala Leu Gln Gly Xaa Xaa Glu Ala Cys Leu Leu Ala Ser
50 55 60

Gly Gly Gly Ala Arg Leu Gln Glu Gly Pro Ala Thr Cys His Leu Pro
65 70 75 80

Cys Asp Gln Ala Lys Lys Trp Asn
85

<210> 362

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 362

Met Ala Leu Asp Ile Ser Leu Phe Tyr Leu Xaa Tyr Phe Phe Phe Phe
1 5 10 15

Leu Arg Trp Asn Phe Ser Leu Ile Ala Gln Ala Gly Val Gln Trp His
20 25 30

Asp Leu Gly Ser Pro Gln Pro Pro Pro Gly Leu Lys Arg Phe Ser
35 40 45

Phe Leu Gly Leu Pro Ser Ser Trp Asp Tyr Arg His Ala Pro Pro Cys
50 55 60

Pro Ala Asn Phe Val Phe Leu Val Glu Met Gly Phe Leu His Val Gly
65 70 75 80

Gln Ala Gly Leu Glu Leu Pro Thr Ser Gly Gly Pro Pro Ala Trp Ala
85 90 95

Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His Arg Ala Trp Pro Glu
100 105 110

Asn Ser His Phe
115

<210> 363

<211> 139

<212> PRT

<213> Homo sapiens

<400> 363

Met Leu Ala Met Leu Leu Cys Met Leu Val Ser Val Phe Ile Leu Gly
1 5 10 15
Val Pro Tyr Arg Gly Ser Leu Leu Ile Leu Phe Phe Ile Ser Ser Leu
20 25 30
Phe Leu Leu Ser Thr Leu Gly Met Gly Leu Leu Ile Ser Thr Ile Thr
35 40 45
Arg Asn Gln Phe Asn Ala Ala Gln Val Ala Leu Asn Ala Ala Phe Leu
50 55 60
Pro Ser Ile Met Leu Ser Gly Phe Ile Phe Gln Ile Asp Ser Met Pro
65 70 75 80
Ala Val Ile Arg Ala Val Thr Tyr Ile Ile Pro Ala Arg Tyr Phe Val
85 90 95
Ser Thr Leu Gln Ser Leu Phe Leu Ala Gly Asn Ile Pro Val Val Leu
100 105 110
Val Val Asn Val Leu Phe Leu Ile Ala Ser Ala Val Met Phe Ile Gly
115 120 125
Leu Thr Trp Leu Lys Thr Lys Arg Arg Leu Asp
130 135

<210> 364

<211> 82

<212> PRT

<213> Homo sapiens

<400> 364

Met Gly Trp Gln Leu Arg Ala Leu Ser Ala Val Gly Leu Trp Phe Thr
1 5 10 15
Ala Gly Asp Ser His Leu Ser Val Gln Val Cys Gly Gly Gly Pro Ala
20 25 30
Leu Thr Leu Trp His Leu Arg Ser Ser Thr Pro Thr Thr Ile Phe Pro
35 40 45
Ile Arg Ala Pro Gln Lys His Val Thr Phe Tyr Gln Asp Leu Val Arg
50 55 60
Pro Cys Val Ser Leu Leu Pro Pro Pro Leu Thr Leu Pro Phe Ser Pro
65 70 75 80
Asp Pro

<210> 365

<211> 59

<212> PRT

<213> Homo sapiens

<400> 365

Met Leu Cys His Ala Trp Leu Leu Leu Met Tyr Leu Phe Leu Glu Met
1 5 10 15

Arg Ser His Cys Val Ala Gln Thr Gly Leu Glu Leu Leu Ala Ser Ser
20 25 30

His Pro Pro Phe Ser Ala Ser Thr Val Ala Gly Ile Ser Gly Thr Cys
35 40 45

His Cys Ala Leu Leu Ile Pro Phe Lys Ile Arg
50 55

<210> 366

<211> 101

<212> PRT

<213> Homo sapiens

<220>

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<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 366

Met Asp His Met Ala Ser Asp Xaa Leu Glu Arg Leu Leu Val Ala Met
1 5 10 15

Val Phe Pro Cys Ala Gln Glu Val Glu Asn Glu Ile Gly Phe Gly Glu
20 25 30

His Leu Ala Leu Ala Arg Ser Gln Pro Pro Asp Phe Lys Ala Thr Phe
35 40 45

Leu Lys Pro Lys Val Val Val Gly Gln Val Trp Trp Leu Met Cys Val
50 55 60

Ile Pro Ala Leu Trp Glu Thr Glu Arg Val Asp His Leu Arg Ser Arg
65 70 75 80

Ala Gln Asp Gln Pro Ala Gln Cys Gly Lys Thr Pro Ser Leu Leu Lys
85 90 95

Ile Gln Thr Xaa Asn
100

<210> 367

<211> 31

<212> PRT

<213> Homo sapiens

<400> 367

Met Ile His Leu Phe Leu Leu Pro Cys Pro Asn Cys Val Phe Leu Leu
1 5 10 15
Leu His Leu Phe Phe Gln Gln Cys Ala Ala Ser Trp Thr Thr Ser
20 25 30

<210> 368

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 368

Ala Asn Thr Ser Thr Arg Ala Ala Leu Tyr Cys Leu Phe Leu Ser Phe
1 5 10 15
Ile Met Phe Ala Ser Val Leu Gln Ile Asn Pro Arg Ser Trp Leu Met
20 25 30
Lys Xaa Val Ile Thr Val Leu Ala Ala Cys Leu Glu Ser Glu Asn Gln
35 40 45
Asn Ala Gln Arg Ile Gly Ala Ala Ala Leu Trp Ala Leu Ile Tyr Asn
50 55 60
Tyr Gln Lys Ala Lys Thr Ala Leu Lys Ser Pro Ser Val Lys Arg Arg
65 70 75 80
Val Asp Glu Ala Tyr Ser Leu Ala Lys Lys Thr Phe Pro Asn Ser Glu
85 90 95
Ala Asn Pro Leu Asn Ala Tyr Tyr Leu Lys Cys Leu Glu Asn Leu Val
100 105 110
Gln Leu Leu Asn Ser Ser
115

<210> 369

<211> 87

<212> PRT

<213> Homo sapiens

<400> 369

Met Thr Leu Leu Leu Thr Leu Glu Val Asp Pro Gly Thr Gln Gln Arg
1 5 10 15
Ala Gly Val Gly Ser Gln Gly Gln Ala Val Leu Pro Gly Leu Thr Cys
20 25 30
Phe Leu Leu Thr Phe Leu Leu Ala Ala Ser Val Tyr Ile Thr Gln Ser
35 40 45

Ala Trp Asp Asn Val Glu Val Ala Glu Val Thr Gly Tyr Phe Met Phe
50 55 60
Leu His Gly Ile Phe Leu Phe Leu Ile Gly Arg Arg Arg Gln Lys Leu
65 70 75 80
Glu Glu Met Gly Leu Leu Ser
85

<210> 370
<211> 73
<212> PRT
<213> Homo sapiens

<400> 370
Met Tyr Pro Val Tyr Thr Thr Ser Asp Phe Cys Ser Gly Thr Phe Val
1 5 10 15
Leu Ile Phe Ala Trp Leu Thr Leu Ser Glu Leu Val Arg Val Leu His
20 25 30
Arg Lys Ile Ile Asn Trp Phe Phe Ile Phe Leu Arg Arg Phe Tyr Tyr
35 40 45
Gly Glu Leu Ala Tyr Ala Asn Met Glu Thr Thr Met Cys His Leu Gln
50 55 60
Ala Gly Asp Pro Arg Gln Leu Val Val
65 70

<210> 371
<211> 81
<212> PRT
<213> Homo sapiens

<400> 371
Met Tyr Ser Pro Ser Leu Tyr Leu Leu Pro Ser Leu Pro Ser Leu Leu
1 5 10 15
Gln Leu Ser Leu Ser Arg Ser Pro Arg Phe Asn Lys Gly Leu Gln Arg
20 25 30
Ala Met Glu Lys Thr Met Lys Gly Ser Thr Ile Lys Ile Leu Leu Tyr
35 40 45
Phe Phe His His Ile Tyr Ala Ser Leu His Thr Phe Ile Pro Leu Pro
50 55 60
Asn Pro Ser Ile Phe Leu Cys Ile Ser Lys Tyr Ile Ala Asp Ile Ser
65 70 75 80

Thr

<210> 372
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 372
 Met Ser Lys Lys Ser Xaa Ser Tyr Lys Ile Arg Tyr Phe Ser Gln Ala
 1 5 10 15
 Trp Gln Leu Met Pro Val Ile Leu Val Leu Trp Glu Ala Glu Ala Gly
 20 25 30
 Gly Ser Leu Glu Ala Arg Gln Asp His Ile Xaa Arg Leu Cys Leu Cys
 35 40 45
 Lys Lys Lys Lys Arg Ala Ala Pro Leu Phe Phe Phe Phe
 50 55 60

<210> 373
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 373
 Met Leu Cys Ser Ser Phe Leu Pro Leu Ser Thr Ala Ala Ile Trp Ala
 1 5 10 15
 Ala Leu Phe Ser Gly Met Gly Ala Val Arg His Ser Pro Ser Glu Gly
 20 25 30
 Lys Arg Ser Leu Lys Ser Ser Arg Cys Leu His Phe Trp Pro Leu Pro
 35 40 45
 Thr Gly Cys Ser Ser Pro Pro Pro Pro Cys Asn Val Thr Thr Lys Asn
 50 55 60
 Val Ser Arg Cys Cys Gln Lys Ser Ser Arg Asp Gly Arg Val Arg Leu
 65 70 75 80
 Pro Pro Arg

<210> 374
 <211> 84
 <212> PRT

<213> Homo sapiens

<400> 374

```
Met Gly Leu Arg Leu Pro Pro Pro Leu Cys Trp Phe Leu Cys Leu Thr
 1              5              10              15

Ser Thr Gly Gln Val Pro Met Ala Gln Ala Arg Ala Gly Val Gln Gly
          20              25              30

Pro Met Asp Gly Arg Met Pro Ser Asn Gly Cys Leu Pro Val Ser Pro
          35              40              45

Arg Thr Pro Tyr Gly Met Pro Tyr Leu Gly Ala Leu Trp Pro Cys Trp
          50              55              60

Pro Cys Ser Trp Gln Gly Arg Ser Thr Ser Arg His Pro Cys Gln Gln
          65              70              75              80

Asp Leu Ser Gly
```

<210> 375

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 375

```
Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1              5              10              15

Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
          20              25              30

Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
          35              40              45

Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
          50              55              60
```

Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Xaa Val Xaa Gly Pro Met Gly Xaa Pro Gly Xaa Pro Glu Ile Pro Val
 100 105 110
 Ser Val His Gly His Ser Ala Asp Pro Pro Ala Pro Cys Thr Gln Gln
 115 120 125
 Pro Asp Gln Ile Gln Arg Gly Pro His Gln Pro Ala Gly Arg Leu
 130 135 140

<210> 376

<211> 245

<212> PRT

<213> Homo sapiens

<400> 376

Met Asp Val Gly Pro Ser Ser Leu Pro His Leu Gly Leu Lys Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Pro Leu Arg Gly Gln Ala Asn Thr Gly Cys
 20 25 30
 Tyr Gly Ile Pro Gly Met Pro Gly Leu Pro Gly Ala Pro Gly Lys Asp
 35 40 45
 Gly Tyr Asp Gly Leu Pro Gly Pro Lys Gly Glu Pro Gly Ile Pro Ala
 50 55 60
 Ile Pro Gly Ile Arg Gly Pro Lys Gly Gln Lys Gly Glu Pro Gly Leu
 65 70 75 80
 Pro Gly His Pro Gly Lys Asn Gly Pro Met Gly Pro Pro Gly Met Pro
 85 90 95
 Gly Val Pro Gly Pro Met Gly Ile Pro Gly Glu Pro Gly Glu Glu Gly
 100 105 110
 Arg Tyr Lys Gln Lys Phe Gln Ser Val Phe Thr Val Thr Arg Gln Thr
 115 120 125
 His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg Phe Asn Ala Val Leu
 130 135 140
 Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr Gly Lys Phe Thr Cys
 145 150 155 160
 Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His Ala Ser His Thr Ala
 165 170 175
 Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val Lys Val Val Thr Phe
 180 185 190

Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn Ser Gly Gly Val Leu
 195 200 205
 Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu Ala Val Asn Asp Tyr
 210 215 220
 Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser Val Phe Ser Gly Phe
 225 230 235 240
 Leu Leu Phe Pro Asp
 245

<210> 377
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 377
 Met Cys Ala Met Ala Pro Leu Trp Ser Pro Leu Cys Pro Ser Ile Cys
 1 5 10 15
 Met Cys Ser Val Ser Leu Ala Cys Val Arg Val Arg Val Ser Ala Tyr
 20 25 30
 Ala Ser Thr His Trp Ala Leu Gly Cys Ser Gln Gly Lys Phe Asp Leu
 35 40 45
 Glu Arg Leu Ser Ser Pro Trp Asn Gln Asp Phe Leu Ser Pro Pro His
 50 55 60
 Pro Gly Pro Val Pro Pro Trp Leu Ser Gly Tyr Trp Gly Met Glu Thr
 65 70 75 80
 Leu Gly Glu

<210> 378
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 378
 Met Arg Pro Gln Glu Leu Pro Arg Leu Ala Phe Pro Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Pro Pro Pro Pro Cys Pro Ala His Ser Ala Thr
 20 25 30
 Arg Phe Asp Pro Thr Trp Glu Ser Leu Asp Ala Arg Gln Leu Pro Ala
 35 40 45
 Trp Phe Asp Gln Ala Lys Phe Gly Ile Phe Ile His Trp Gly Val Phe
 50 55 60
 Ser Val Pro Ser Phe Gly Ser Glu Trp Phe Trp Leu Tyr Leu Val Gly
 65 70 75 80

Val Arg Ile Phe Val Glu Leu Glu Cys His Arg
85 90

<210> 379
<211> 336
<212> PRT
<213> Homo sapiens

<400> 379

Met Leu Glu Thr Gly Leu Phe Phe Leu Leu Ser Trp Ser Ala Phe Leu
1 5 10 15
Ser Ala Glu Ala Ala Gly Leu Thr Gly Ile Val Ala Val Leu Phe Cys
20 25 30
Gly Val Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Ser Asp Ser
35 40 45
Lys Ile Arg Thr Lys Gln Leu Phe Glu Phe Met Asn Phe Leu Ala Glu
50 55 60
Asn Val Ile Phe Cys Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln Asn
65 70 75 80
His Ile Phe Asn Ala Leu Phe Ile Leu Gly Ala Phe Leu Ala Ile Phe
85 90 95
Val Ala Arg Ala Cys Asn Ile Tyr Pro Leu Ser Phe Leu Leu Asn Leu
100 105 110
Gly Arg Lys Gln Lys Ile Pro Trp Asn Phe Gln His Met Met Met Phe
115 120 125
Ser Gly Leu Arg Gly Ala Ile Ala Phe Ala Leu Ala Ile Arg Asn Thr
130 135 140
Glu Ser Gln Pro Lys Gln Met Met Phe Thr Thr Thr Leu Leu Leu Val
145 150 155 160
Phe Phe Thr Val Trp Val Phe Gly Gly Gly Thr Thr Pro Met Leu Thr
165 170 175
Trp Leu Gln Ile Arg Val Gly Val Asp Leu Asp Glu Asn Leu Lys Glu
180 185 190
Asp Pro Ser Ser Gln His Gln Glu Ala Asn Asn Leu Asp Lys Asn Met
195 200 205
Thr Lys Ala Glu Ser Ala Arg Leu Phe Arg Met Trp Tyr Ser Phe Asp
210 215 220
His Lys Tyr Leu Lys Pro Ile Leu Thr His Ser Gly Pro Pro Leu Thr
225 230 235 240
Thr Thr Leu Pro Glu Trp Cys Gly Pro Ile Ser Arg Leu Leu Thr Ser
245 250 255

Pro Gln Ala Tyr Gly Glu Gln Leu Lys Glu Asp Asp Val Glu Cys Ile
 260 265 270
 Val Asn Gln Asp Glu Leu Ala Ile Asn Tyr Gln Glu Gln Ala Ser Ser
 275 280 285
 Pro Cys Ser Pro Pro Ala Arg Leu Gly Leu Asp Gln Lys Ala Ser Pro
 290 295 300
 Gln Thr Pro Gly Lys Glu Asn Ile Tyr Glu Gly Asp Leu Gly Leu Gly
 305 310 315 320
 Gly Tyr Glu Leu Lys Leu Glu Gln Thr Leu Gly Gln Ser Gln Leu Asn
 325 330 335

<210> 380
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
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 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 380
 Met Gln Trp Leu Xaa Ile Thr Pro Arg Leu Phe Tyr Phe Pro Leu Leu
 1 5 10 15

 Leu Leu Xaa Leu Gly Ser Xaa Lys Xaa Leu Xaa Ile Ser Ile Leu Xaa
 20 25 30

 Xaa Gly Xaa Val Leu Leu His Xaa Ser Xaa Arg Met His Gly Xaa Asn
 35 40 45

 Met Xaa Xaa Gln Ser Leu Xaa Phe Lys Val Lys Leu Ser Ser Pro Leu
 50 55 60

 Pro Ser Gln Xaa Leu Gly Leu Arg
 65 70

 <210> 381
 <211> 75

<212> PRT

<213> Homo sapiens

<400> 381

Met Gly Ala Ser Leu Cys Leu Thr Gln Leu Leu Leu Leu Gly Lys
1 5 10 15

Gly Gly Leu Gly Gln Ala Ser Ile Pro Leu Val Lys Thr Pro Ala Gly
20 25 30

His Gln Ala Phe Trp Thr Arg Thr His Thr His Thr His Thr His Thr
35 40 45

His Lys Thr Ser Gln Gln Ala Ser Cys Ser Asp Leu Ser Ser Arg Val
50 55 60

Thr Ser Ala Ala Pro Pro Ser His Pro Phe Leu
65 70 75

<210> 382

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Met Cys Val His Thr Cys Val Cys Met Cys Val His Thr Cys Val Cys
1 5 10 15

Val His Ala Cys Val Trp Ala His Val Cys Met Cys Val Cys Glu Cys
20 25 30

Val Cys Trp Gly Gly Gly Met Ala Leu Gly Lys Val Cys Pro Gly Trp
35 40 45

Lys Pro His Ser Leu Pro Ser Ala Trp Arg Trp Ala Cys Ala Trp Arg
50 55 60

Pro Ile Ala Arg Arg Leu Arg Pro Thr Gly Ala Thr Xaa Thr Val Pro
65 70 75 80

Leu

<210> 383

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 383

Met	His	Pro	Pro	Pro	Gly	Val	Trp	Leu	Leu	His	Leu	His	Thr	Pro	Leu	
1				5				10						15		
Arg	Gly	Phe	Cys	Leu	Pro	Leu	Pro	Leu	Arg	Ser	Gln	Glu	Ala	Val	Pro	
			20					25					30			
Gly	Arg	Gly	Arg	Arg	His	Leu	Ser	Pro	Gln	Leu	Leu	Thr	Pro	His	Pro	
			35				40					45				
Leu	Thr	Ser	Ser	Pro	Phe	Val	Lys	Tyr	Thr	Gln	Asp	Glu	Thr	Cys	Thr	
	50					55					60					
Gln	Trp	Leu	Thr	Ala	Ala	Arg	Phe	Val	Thr	Ala	Arg	Gly	Gly	Glu	His	
65					70					75					80	
Arg	Thr	Pro	Ser	Glu	Gly	Glu	Gly	Ile	Ser	Thr	Ala	Pro	Pro	Pro	Cys	
				85					90						95	
Trp	Asn	Glu	Thr	Gln	Pro	Gln	Gly	Gly	Ala	Thr	Ser	Asp	Pro	Gly	His	
		100					105						110			
Ser	Ala	Asp	Xaa	Pro												
		115														

<210> 384

<211> 167

<212> PRT

<213> Homo sapiens

<400> 384

Pro	Gly	Pro	Gly	Ser	Cys	Leu	Leu	His	Leu	Ser	Ser	Gln	Asn	Leu	Trp	
1				5					10					15		
Gln	Pro	Glu	Phe	Phe	Asn	Ser	Leu	Ser	Leu	Ser	Leu	His	Gln	Leu	His	
			20					25					30			
Ser	Arg	Ile	Asn	Arg	Lys	Val	Ala	Ala	Arg	Pro	Ala	Gly	Pro	Leu	Val	
		35					40					45				
Ser	Leu	Pro	Leu	His	Leu	Gly	Val	Ser	Gln	Pro	Leu	Pro	Gly	Ser	Pro	
	50					55					60					
Gln	Glu	Ala	Met	Ala	Pro	Leu	Ala	Phe	Val	Cys	Leu	Ser	Gly	Gly	Ala	
65					70					75					80	
Asp	Ser	Arg	Gly	Thr	Cys	Pro	Ser	Ala	Ala	Glu	Trp	Pro	Pro	Cys	Pro	
				85					90					95		
Ala	Lys	Pro	Asp	Val	His	Ser	Pro	Gly	Ala	Pro	Pro	Pro	Pro	Leu	Ser	
		100						105						110		
Cys	Pro	Gly	Pro	Trp	Gly	Thr	Asn	Ser	Pro	Ile	Ser	Thr	Arg	Ala	Leu	
	115						120					125				
Ala	His	His	His	Gly	Thr	Leu	Pro	Pro	Arg	Pro	Ser	Pro	Pro	Leu	Leu	

130

135

140

Cys Pro Ser Trp Pro His Leu Ala Ser Pro Gly Gly Glu Leu Ser Pro
 145 150 155 160

Ala Val Pro Thr Leu Pro Pro
 165

<210> 385

<211> 277

<212> PRT

<213> Homo sapiens

<400> 385

Arg Arg Val Val Ile Asp Pro Gln Glu Lys Pro Ser Glu Glu Pro Leu
 1 5 10 15

Gly Asp Arg Arg Thr Val Ile Asp Lys Cys Ser Pro Pro Leu Glu Phe
 20 25 30

Leu Asp Asp Ser Asp Ser His Leu Glu Ile Gln Lys His Lys Asp Arg
 35 40 45

Glu Val Val Met Glu His Pro Ser Ser Gly Ser Asp Trp Ser Asp Val
 50 55 60

Glu Glu Ile Ser Thr Val Arg Phe Ser Gln Glu Glu Pro Val Ser Leu
 65 70 75 80

Lys Pro Ser Ala Val Pro Glu Pro Ser Ser Phe Thr Thr Asp Tyr Val
 85 90 95

Met Tyr Pro Pro His Leu Tyr Ser Ser Pro Trp Cys Asp Tyr Ala Ser
 100 105 110

Tyr Trp Thr Ser Ser Pro Lys Pro Ser Ser Tyr Pro Ser Thr Gly Ser
 115 120 125

Ser Ser Asn Asp Ala Ala Gln Val Gly Lys Ser Ser Arg Ser Arg Met
 130 135 140

Ser Asp Tyr Ser Pro Asn Ser Thr Gly Ser Val Gln Asn Thr Ser Arg
 145 150 155 160

Asp Met Glu Ala Ser Glu Glu Gly Trp Ser Gln Asn Ser Arg Ser Phe
 165 170 175

Arg Phe Ser Arg Ser Ser Glu Glu Arg Glu Val Lys Glu Lys Arg Thr
 180 185 190

Phe Gln Glu Glu Met Pro Pro Arg Pro Cys Gly Gly His Ala Ser Ser
 195 200 205

Ser Leu Pro Lys Ser His Leu Glu Pro Ser Leu Glu Glu Gly Phe Ile
 210 215 220

Asp Thr His Cys His Leu Asp Met Leu Tyr Ser Lys Leu Ser Phe Gln
 225 230 235 240

Gly Thr Phe Thr Lys Phe Arg Lys Ile Tyr Ser Ser Ser Phe Pro Lys
245 250 255

Glu Phe Gln Gly Cys Ile Ser Asp Phe Cys Val Arg Gly Gly Lys Ala
260 265 270

Glu Met Thr Trp Lys
275

<210> 386

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 386

Trp Phe Ala Ala Leu Val Lys Cys Leu Pro Val Leu Cys Leu Ala Gly
1 5 10 15

Phe Leu Trp Val Met Ser Pro Ser Gly Gly Tyr Thr Gln Leu Leu Gln
20 25 30

Gly Ala Leu Val Cys Ser Ala Val Gly Asp Ala Cys Leu Ile Trp Pro
35 40 45

Ala Ala Phe Val Pro Gly Met Ala Ala Phe Ala Thr Ala His Leu Leu
50 55 60

Tyr Val Trp Ala Phe Gly Phe Ser Pro Leu Gln Pro Gly Leu Leu Leu
65 70 75 80

Leu Ile Ile Leu Ala Pro Gly Pro Tyr Leu Ser Leu Val Leu Gln His
85 90 95

Leu Glu Pro Asp Met Val Leu Pro Val Ala Ala Tyr Gly Leu Ile Leu
100 105 110

Met Ala Met Leu Trp Arg Gly Leu Ala Gln Gly Gly Ser Ala Gly Trp
115 120 125

Gly Ala Leu Leu Phe Thr Leu Ser Asp Gly Val Leu Ala Trp Asp Thr
130 135 140

Phe Ala Gln Pro Leu Pro His Ala Xaa Leu Val Ile Met Thr Thr Tyr
145 150 155 160

Tyr Ala Ala Gln Leu Leu Ile Thr Leu Ser Ala Leu
165 170

<210> 387

<211> 156

<212> PRT

<213> Homo sapiens

<400> 387

Arg Pro Gly Ala Asp Cys Glu Val Cys Lys Glu Phe Leu Asn Arg Phe
 1 5 10 15
 Tyr Lys Ser Leu Ile Asp Arg Gly Val Asn Phe Ser Leu Asp Thr Ile
 20 25 30
 Glu Lys Glu Leu Ile Ser Phe Cys Leu Asp Thr Lys Gly Lys Glu Asn
 35 40 45
 Arg Leu Cys Tyr Tyr Leu Gly Ala Thr Lys Asp Ala Ala Thr Lys Ile
 50 55 60
 Leu Ser Glu Val Thr Arg Pro Met Ser Val His Met Pro Ala Met Lys
 65 70 75 80
 Ile Cys Glu Lys Leu Lys Lys Leu Asp Ser Gln Ile Cys Glu Leu Lys
 85 90 95
 Tyr Glu Lys Thr Leu Asp Leu Ala Ser Val Asp Leu Arg Lys Met Arg
 100 105 110
 Val Ala Glu Leu Lys Gln Ile Leu His Ser Trp Gly Glu Glu Cys Arg
 115 120 125
 Ala Cys Ala Glu Lys Thr Asp Tyr Val Asn Leu Ile Gln Glu Leu Ala
 130 135 140
 Pro Lys Tyr Ala Ala Thr His Pro Lys Thr Glu Leu
 145 150 155
 <210> 388
 <211> 268
 <212> PRT
 <213> Homo sapiens
 <400> 388
 Phe Phe Ser Val Tyr Ala Gln Leu Trp Leu Val Leu Leu Tyr Gly His
 1 5 10 15
 Lys Arg Leu Ser Tyr Gln Thr Val Phe Leu Ala Leu Cys Leu Leu Trp
 20 25 30
 Ala Ala Leu Arg Thr Thr Leu Phe Ser Phe Tyr Phe Arg Asp Thr Pro
 35 40 45
 Arg Ala Asn Arg Leu Gly Pro Leu Pro Phe Trp Leu Leu Tyr Cys Cys
 50 55 60
 Pro Val Cys Leu Gln Phe Phe Thr Leu Thr Leu Met Asn Leu Tyr Phe
 65 70 75 80
 Ala Gln Val Val Phe Lys Ala Lys Val Lys Arg Arg Pro Glu Met Ser
 85 90 95
 Arg Gly Leu Leu Ala Val Arg Gly Ala Phe Val Gly Ala Ser Leu Leu
 100 105 110
 Phe Leu Leu Val Asn Val Leu Cys Ala Val Leu Ser His Arg Arg Arg
 115 120 125

Ala Gln Pro Trp Ala Leu Leu Leu Val Arg Val Leu Val Ser Asp Ser
 130 135 140
 Leu Phe Val Ile Cys Ala Leu Ser Leu Ala Ala Cys Leu Cys Leu Val
 145 150 155 160
 Ala Arg Arg Ala Pro Ser Thr Ser Ile Tyr Leu Glu Ala Lys Gly Thr
 165 170 175
 Ser Val Cys Gln Ala Ala Ala Met Gly Gly Ala Met Val Leu Leu Tyr
 180 185 190
 Ala Ser Arg Ala Cys Tyr Asn Leu Thr Ala Leu Ala Leu Ala Pro Gln
 195 200 205
 Ser Arg Leu Asp Thr Phe Asp Tyr Asp Trp Tyr Asn Val Ser Asp Gln
 210 215 220
 Ala Asp Leu Val Asn Asp Leu Gly Asn Lys Gly Tyr Leu Val Phe Gly
 225 230 235 240
 Leu Ile Leu Phe Val Trp Glu Leu Leu Pro Thr Thr Leu Leu Val Gly
 245 250 255
 Phe Phe Arg Val His Arg Pro Pro Gln Asp Leu Ser
 260 265
 <210> 389
 <211> 222
 <212> PRT
 <213> Homo sapiens
 <400> 389
 Ser Glu Lys Arg Tyr Pro Gln Pro Arg Gly Gln Lys Lys Lys Lys Val
 1 5 10 15
 Val Lys Tyr Gly Met Gly Gly Met Ile Ile Val Leu Leu Ile Cys Ile
 20 25 30
 Val Trp Phe Pro Leu Leu Phe Met Ser Leu Ile Lys Ser Val Ala Gly
 35 40 45
 Val Ile Asn Gln Pro Leu Asp Val Ser Val Thr Ile Thr Leu Gly Gly
 50 55 60
 Tyr Gln Pro Ile Phe Thr Met Ser Ala Gln Gln Ser Gln Leu Lys Ile
 65 70 75 80
 Met Asp Gln Gln Ser Phe Asn Lys Phe Ile Gln Ala Phe Ser Arg Asp
 85 90 95
 Thr Gly Ala Met Gln Phe Leu Glu Asn Tyr Glu Lys Glu Asp Ile Thr
 100 105 110
 Val Ala Glu Leu Glu Gly Asn Ser Asn Ser Leu Trp Thr Ile Ser Pro
 115 120 125
 Pro Ser Lys Gln Lys Met Ile His Glu Leu Leu Asp Pro Asn Ser Ser
 130 135 140

Phe Ser Val Val Phe Ser Trp Ser Ile Gln Arg Asn Leu Ser Leu Gly
145 150 155 160
Ala Lys Ser Glu Ile Ala Thr Asp Lys Leu Ser Phe Pro Leu Lys Asn
165 170 175
Ile Thr Arg Lys Asn Ile Ala Lys Met Ile Ala Gly Asn Ser Thr Glu
180 185 190
Ser Ser Lys Thr Pro Val Thr Ile Glu Lys Ile Tyr Pro Tyr Tyr Val
195 200 205
Lys Ala Pro Ser Asp Ser Asn Ser Lys Pro Ile Lys Gln Leu
210 215 220
<210> 390
<211> 267
<212> PRT
<213> Homo sapiens
<400> 390
Thr Asp Gly Glu Ser Arg Phe Tyr Ser Leu Gly His Leu Ser Ile Gln
1 5 10 15
Arg Ala Ala Leu Val Val Leu Glu Asn Tyr Tyr Lys Asp Phe Thr Ile
20 25 30
Tyr Asn Pro Asn Leu Leu Thr Ala Ser Lys Phe Arg Ala Ala Lys His
35 40 45
Met Ala Gly Leu Lys Val Tyr Asn Val Asp Gly Pro Ser Asn Asn Ala
50 55 60
Thr Gly Gln Ser Arg Ala Met Ile Ala Ala Ala Arg Arg Arg Asp
65 70 75 80
Ser Ser His Asn Glu Leu Tyr Tyr Glu Glu Ala Glu His Glu Arg Arg
85 90 95
Val Lys Lys Arg Lys Ala Arg Leu Val Val Ala Val Glu Glu Ala Phe
100 105 110
Ile His Ile Gln Arg Leu Gln Ala Glu Glu Gln Gln Lys Ala Pro Gly
115 120 125
Glu Val Met Asp Pro Arg Glu Ala Ala Gln Ala Ile Phe Pro Ser Met
130 135 140
Ala Arg Ala Leu Gln Lys Tyr Leu Arg Ile Thr Arg Gln Gln Asn Tyr
145 150 155 160
His Ser Met Glu Ser Ile Leu Gln His Leu Ala Phe Cys Ile Thr Asn
165 170 175
Gly Met Thr Pro Lys Ala Phe Leu Glu Arg Tyr Leu Ser Ala Gly Pro
180 185 190
Thr Leu Gln Tyr Asp Lys Asp Arg Trp Leu Ser Thr Gln Trp Arg Leu
195 200 205

Val Ser Asp Glu Ala Leu Thr Asn Gly Leu Arg Asp Gly Ile Val Phe
 210 215 220

Val Leu Lys Cys Leu Asp Phe Ser Leu Val Val Asn Val Lys Lys Ile
 225 230 235 240

Pro Phe Ile Ile Leu Ser Glu Glu Phe Ile Asp Pro Lys Ser His Lys
 245 250 255

Phe Val Leu Arg Leu Gln Ser Glu Thr Ser Val
 260 265

<210> 391

<211> 97

<212> PRT

<213> Homo sapiens

<400> 391

Gln Ser Cys Tyr Val Ala Gln Ala Gly Val Gln Trp His Asn His Ser
 1 5 10 15

Ser Leu Gln Pro Leu Ser Pro Gly Phe Lys Arg Phe Phe Cys Leu Asn
 20 25 30

Leu Pro Ser Ser Trp Asp Tyr Arg His Met Ala Thr Cys Pro Trp Leu
 35 40 45

Ile Phe Val Phe Leu Val Glu Met Glu Phe Arg His Val Gly Gln Ala
 50 55 60

Gly Leu Gly Leu Leu Thr Ser Ser Asp Leu Pro Ala Leu Ala Phe Gln
 65 70 75 80

Ser Ala Gly Ile Thr Gly Leu Ser His His Ala Trp Pro Gly Arg Phe
 85 90 95

Leu

<210> 392

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 392

Phe Phe Val Phe Leu Val Glu Met Gly Phe Arg His Val Gly Gln Xaa
 1 5 10 15

Gly Leu Glu Leu Leu Thr Ser Gly Tyr Pro Ser Xaa Leu Thr Ser Gln
 20 25 30

Ser Ala Gly Ile Thr Gly Met Ser His His Xaa Arg
 35 40

<210> 393
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 393
 Gln Gly Ser Cys Leu Ser Leu Pro Ser Ser Trp Gly Tyr Arg Cys Pro
 1 5 10 15

Pro Pro His Pro Gly Asn Phe Leu Tyr
 20 25

<210> 394
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 394
 Met Phe Phe Cys Phe Xaa Arg Trp Glu Pro Cys Ser Val Thr Gln Ala
 1 5 10 15

Gly Val Gln Trp Cys Asp Leu Ser Ser
 20 25

<210> 395
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 395
 Pro Ala Ser Ala Ser Arg Val Ala Gly Val Thr Gly Ala Pro His His
 1 5 10 15

Thr Gln

<210> 396
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 396

Leu Xaa Lys Cys Trp Asp Tyr Arg Tyr Glu Pro Pro Arg Pro Ala
1 5 10 15

<210> 397

<211> 157

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (141)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 397

Val Asn Pro Glu Val Trp Met Asn Thr Ser Glu Ile Ile Ile Tyr Asn
1 5 10 15

Gly Tyr Pro Ser Glu Glu Tyr Glu Val Thr Thr Glu Asp Gly Tyr Ile
20 25 30

Leu Leu Val Asn Arg Ile Pro Tyr Gly Arg Thr His Ala Arg Ser Thr
35 40 45

Gly Pro Arg Pro Val Val Tyr Met Gln His Ala Leu Phe Ala Asp Asn
50 55 60

Ala Tyr Trp Leu Glu Asn Tyr Ala Asn Gly Ser Leu Gly Phe Leu Leu
65 70 75 80

Ala Asp Ala Gly Tyr Asp Val Trp Met Gly Asn Ser Arg Gly Asn Thr
85 90 95

Trp Ser Arg Arg His Lys Thr Leu Ser Glu Thr Asp Glu Lys Phe Trp
100 105 110

Ala Phe Ser Phe Asp Glu Met Ala Lys Tyr Asp Leu Pro Gly Val Ile
115 120 125

Asp Phe Ile Val Asn Lys Thr Gly Gln Glu Lys Leu Xaa Phe Ile Gly
130 135 140

His Ser Leu Gly Thr Thr Ile Gly Phe Val Ala Phe Ser
145 150 155

<210> 398

<211> 16

<212> PRT

<213> Homo sapiens

<400> 398

Met Pro Glu Leu Ala Gln Arg Ile Lys Met Asn Phe Ala Leu Gly Pro
1 5 10 15

<210> 399

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 399

Phe Phe Leu Arg Gln Cys Leu Ile Leu Leu Pro Arg Leu Glu Cys Ser
1 5 10 15

Gly Met Ser Ile Thr His Cys Ser Leu Asp Leu Leu Gly Ser Ser Asn
20 25 30

Pro Pro Thr Ser Val Ser His Val Val Trp Thr Thr Gly Thr His His
35 40 45

Arg Asp Trp Leu Ile Phe Xaa Phe Phe Val Glu Met Glu Ser His Phe
50 55 60

Phe Ala Gln Ala Gly Trp Ser Xaa Leu Asn Ser
65 70 75

<210> 400

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 400

Ile Lys Phe Leu Gly Xaa Ser Asp Pro Pro Ile Leu Cys Ser Gln Ser
1 5 10 15

Ala Gly Ile Thr Gly Met Ser His Cys Ala His Pro
20 25

<210> 401

<211> 237

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (226)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 401

Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro Thr Trp Leu Thr
1 5 10 15

Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr Glu Val Ala Val

20

25

30

Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val Pro Ile Leu His
 35 40 45

Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly Ile Ser Thr Asp
 50 55 60

Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn Thr Ile Cys Leu
 65 70 75 80

Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu Asp Glu Asp Ile
 85 90 95

Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile Glu Ile Asn Ser
 100 105 110

Leu His Met Val Thr Glu Tyr Asn Pro Val Ala Ser Pro Glu Tyr Glu
 115 120 125

Glu Asn Met His Arg Tyr Gln Lys Ala Ala Lys Leu Phe Gln Gly Lys
 130 135 140

Ile Leu Phe Ile Leu Val Asp Ser Gly Met Lys Glu Asn Gly Lys Val
 145 150 155 160

Ile Ser Phe Phe Lys Leu Lys Glu Ser Gln Leu Pro Ala Leu Ala Ile
 165 170 175

Tyr Gln Thr Leu Asp Asp Glu Trp Asp Thr Leu Pro Thr Ala Glu Val
 180 185 190

Ser Val Glu His Val Gln Asn Phe Cys Asp Gly Phe Leu Ser Gly Lys
 195 200 205

Leu Leu Lys Glu Asn Arg Glu Ser Glu Gly Lys Thr Pro Lys Val Glu
 210 215 220

Leu Xaa Leu Leu Leu Gly Thr Thr Tyr Gly Gln Val Ser
 225 230 235

<210> 402

<211> 209

<212> PRT

<213> Homo sapiens

<400> 402

Asp Gly Ala Asp Val Asn Tyr Gln Ser Lys Glu Gly Lys Ser Pro Leu
 1 5 10 15

His Met Ala Ala Ile His Gly Arg Phe Thr Arg Ser Gln Ile Leu Ile
 20 25 30

Gln Asn Gly Ser Glu Ile Asp Cys Ala Asp Lys Phe Gly Asn Thr Pro
 35 40 45

Leu His Val Ala Ala Arg Tyr Gly His Glu Leu Leu Ile Ser Thr Leu
 50 55 60

Met Thr Asn Gly Ala Asp Thr Ala Arg Arg Gly Ile His Asp Met Phe

65		70		75		80
Pro Leu His	Leu Ala Val	Leu Phe Gly	Phe Ser Asp	Cys Cys Arg	Lys	
	85		90		95	
Leu Leu Ser	Ser Gly Gln	Leu Tyr Ser	Ile Val Ser	Ser Leu Ser	Asn	
	100		105		110	
Glu His Val	Leu Ser Ala	Gly Phe Asp	Ile Asn Thr	Pro Asp Asn	Leu	
	115		120		125	
Gly Arg Thr	Cys Leu His	Ala Ala Ala	Ser Gly Gly	Asn Val Glu	Cys	
	130		135		140	
Leu Asn Leu	Leu Leu Ser	Ser Gly Ala	Asp Leu Arg	Arg Arg Asp	Lys	
	145		150		155	
Phe Gly Arg	Thr Pro Leu	His Tyr Ala	Ala Ala Asn	Gly Ser Tyr	Gln	
	165		170		175	
Cys Ala Val	Thr Leu Val	Thr Ala Gly	Ala Gly Val	Asn Glu Ala	Asp	
	180		185		190	
Cys Lys Gly	Cys Ser Pro	Leu His Tyr	Ala Ala Ala	Ser Asp Thr	Tyr	
	195		200		205	

Arg

<210> 403
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 403
Lys Ser Pro Leu His Met Ala Ala Ile His Gly Arg Phe Thr Arg Ser
1 5 10 15
Gln Ile Leu Ile Gln Asn Gly Ser Glu Ile Asp Cys Ala Asp Lys Phe
20 25 30
Gly Asn Thr Pro Leu His Val Ala Ala Arg Tyr Gly His Glu Leu Leu
35 40 45
Ile Ser Thr Leu Met Thr Asn Gly Ala Asp Thr Ala Arg Arg Gly Ile
50 55 60
His Asp Met Phe Pro Leu His Leu Ala Val Leu Phe Gly Phe Ser Asp
65 70 75 80
Cys Cys Arg Lys Leu Leu Ser Ser Gly Gln Leu Tyr Ser Ile Val Ser
85 90 95
Ser Leu Ser Asn Glu His Val Leu Ser Ala Gly Phe Asp Ile Asn Thr
100 105 110
Pro Asp Asn Leu Gly Arg Thr Cys Leu His Ala Ala Ala Ser Gly Gly
115 120 125
Asn Val Glu Cys Leu Asn Leu Leu Leu Ser Ser Gly Ala Asp Leu Arg

130		135		140	
Arg Arg Asp Lys Phe Gly Arg Thr Pro Leu His Tyr Ala Ala Ala Asn					
145		150		155	160
Gly Ser Tyr Gln Cys Ala Val Thr Leu Val Thr Ala Gly Ala Gly Val					
	165		170		175
Asn Glu Ala Asp Cys Lys Gly Cys Ser Pro Leu His Tyr Ala Ala Ala					
	180		185		190

<210> 404

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (252)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 404

Met Gly Pro Pro Pro Gly Ala Gly Val Ser Cys Arg Gly Gly Cys Gly					
1		5		10	15
Phe Ser Arg Leu Leu Ala Trp Cys Phe Leu Leu Ala Leu Ser Pro Gln					
	20		25		30
Ala Pro Gly Ser Arg Gly Ala Glu Ala Val Trp Thr Ala Tyr Leu Asn					
	35		40		45
Val Ser Trp Arg Val Pro His Thr Gly Val Asn Arg Thr Val Trp Glu					
	50		55		60
Leu Ser Glu Glu Gly Val Tyr Gly Gln Asp Ser Pro Leu Glu Pro Val					
	65		70		75
Ala Gly Val Leu Val Pro Pro Asp Gly Pro Gly Ala Leu Asn Ala Cys					
		85		90	95
Asn Pro His Thr Asn Phe Thr Val Pro Thr Val Trp Gly Ser Thr Val					
	100		105		110
Gln Val Ser Trp Leu Ala Leu Ile Gln Arg Gly Gly Gly Cys Thr Phe					
	115		120		125
Ala Asp Lys Ile His Leu Ala Tyr Glu Arg Gly Ala Ser Gly Ala Val					
	130		135		140
Ile Phe Asn Phe Pro Gly Thr Arg Asn Glu Val Ile Pro Met Ser His					
	145		150		155
Pro Gly Ala Val Asp Ile Val Ala Ile Met Ile Gly Asn Leu Lys Gly					
		165		170	175
Thr Lys Ile Leu Gln Ser Ile Gln Arg Gly Ile Gln Val Thr Met Val					
	180		185		190

Ile Glu Val Gly Lys Lys His Gly Pro Trp Val Asn His Tyr Ser Ile
195 200 205

Phe Phe Arg Phe Cys Val Leu Phe Tyr Tyr Tyr Gly Gly Asn Cys Gly
210 215 220

Leu Phe Tyr Leu Leu Phe Cys Ser Lys Ala Thr Glu Cys Lys Ser Ser
225 230 235 240

Lys Gln Glu Ala Glu Ala Ile Lys Gly Arg Cys Xaa Lys Ser Tyr Trp
245 250 255

Lys Ala Ser Thr Thr His Thr Glu Thr Arg Arg Gln Gly Asn
260 265 270

<210> 405

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 405

Phe Phe Tyr Phe Tyr Phe Leu Arg Trp Ser Leu Gly Leu Leu Pro Arg
1 5 10 15

Leu Glu Cys Ser Gly Thr Ile Ser Ala His Cys Lys Leu Arg Leu Pro
20 25 30

Asp Thr Asn Asn Ser Pro Ala Ser Ala Ser Xaa Val Ala Gly Ile Thr
35 40 45

Gly Ala Cys His His Ala Trp Leu Ile Phe Leu Phe Leu Val Asp
50 55 60

<210> 406

<211> 27

<212> PRT

<213> Homo sapiens

<400> 406

Lys Gly Cys Leu Pro Phe Ser Ser Ser Ser Ser Trp Pro Gly Val Pro
1 5 10 15

Thr Leu Ala Ser Leu Phe Gly Arg Leu Trp Phe
20 25

<210> 407

<211> 92

<212> PRT

<213> Homo sapiens

<400> 407

Ile Ser Asp Leu Val Gly Arg Val Val Ser Gly Trp Leu Gly Asp Ala
1 5 10 15

Val Pro Gly Pro Val Thr Arg Leu Leu Met Leu Trp Thr Thr Leu Thr
 20 25 30
 Gly Val Ser Leu Ala Leu Phe Pro Val Ala Gln Ala Pro Thr Ala Leu
 35 40 45
 Val Ala Leu Ala Val Ala Tyr Gly Phe Thr Ser Gly Ala Leu Ala Pro
 50 55 60
 Leu Ala Phe Ser Val Leu Pro Glu Leu Ile Gly Thr Arg Arg Ile Tyr
 65 70 75 80
 Cys Gly Leu Gly Leu Leu Gln Met Ile Glu Ser Ile
 85 90

<210> 408

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 408

Arg Phe Glu Phe Cys Glu Pro Ala Phe Val Val Gly Asn Cys Leu Gln
 1 5 10 15

Ile Ala Ser Asp Ser His Gln Tyr Asp Arg Ile Tyr Cys Gly Ala Gly
 20 25 30

Val Gln Lys Asp His Glu Asn Tyr Met Lys Ile Leu Leu Lys Val Gly
 35 40 45

Gly Ile Leu Val Met Pro Ile Glu Asp Gln Leu Thr Gln Ile Met Arg
 50 55 60

Thr Gly Gln Asn Thr Trp Glu Ser Lys Asn Ile Leu Ala Val Ser Phe
 65 70 75 80

Ala Pro Leu Val Gln Pro Ser Lys Asn Asp Asn Gly Lys Pro Asp Ser
 85 90 95

Val Gly Leu Pro Pro Cys Ala Val Arg Asn Leu Gln Asp Leu Ala Arg
 100 105 110

Ile Tyr Ile Arg Arg Thr Leu Arg Asn Phe Ile Asn Asp Glu Met Gln
 115 120 125

Ala Lys Gly Ile Pro Gln Arg Ala Pro Pro Lys Arg Lys Arg Lys Arg
 130 135 140

Val Lys Gln Arg Ile Asn Thr Tyr Val Phe Val Gly Asn Gln Leu Ile
 145 150 155 160

Pro Gln Pro Leu Asp Ser Glu Glu Asp Glu Lys Met Glu Glu Asp Xaa
 165 170 175

Lys Glu Glu Glu Glu Lys Asp His Asn Glu Ala Met Lys Pro Glu Glu

180	185	190
Pro Pro Gln Asn Leu Leu Arg Glu Lys Ile Met Lys Leu Pro Leu Pro		
195	200	205
Glu Ser Leu Lys Ala Tyr Leu Thr Tyr Phe Arg Asp Lys		
210	215	220
<210> 409		
<211> 137		
<212> PRT		
<213> Homo sapiens		
<220>		
<221> SITE		
<222> (136)		
<223> Xaa equals any of the naturally occurring L-amino acids		
<400> 409		
Leu Phe Ser Cys His Arg Ser Glu Lys Thr Cys Arg Arg Trp Met Ala		
1	5	10 15
Leu Asp Tyr Ala Gly Ile Ser Ile Gly Ile Leu Gly Cys Tyr Val Ser		
20	25	30
Gly Val Phe Tyr Ala Phe Tyr Cys Asn Asn Tyr Trp Arg Gln Val Tyr		
35	40	45
Leu Ile Thr Val Leu Ala Met Ile Leu Ala Val Phe Phe Ala Gln Ile		
50	55	60
His Pro Asn Tyr Leu Thr Gln Gln Trp Gln Arg Leu Arg Ser Ile Ile		
65	70	75 80
Phe Cys Ser Val Ser Gly Tyr Gly Val Ile Pro Thr Leu His Trp Val		
85	90	95
Trp Leu Asn Gly Gly Ile Gly Ala Pro Ile Val Gln Asp Phe Ala Pro		
100	105	110
Arg Val Ile Val Met Tyr Met Ile Ala Leu Leu Ala Phe Leu Phe Tyr		
115	120	125
Ile Ser Lys Val Pro Glu Arg Xaa Phe		
130	135	
<210> 410		
<211> 121		
<212> PRT		
<213> Homo sapiens		
<400> 410		
Glu Thr Ala Ala Glu Tyr Val Lys Ser Arg Leu Pro Glu Ala Leu Lys		
1	5	10 15
Gln His Leu Gln Asp Tyr Glu Lys Asp Lys Glu Asn Ser Val Leu Ser		
20	25	30
Tyr Gln Thr Ile Leu Glu Gln Gln Ile Leu Ser Ile Asp Arg Glu Met		
35	40	45

Leu Glu Lys Leu Thr Val Ser Tyr Asp Glu Ala Gly Thr Thr Cys Leu
50 55 60

Ile Ala Leu Leu Ser Asp Lys Asp Leu Thr Val Ala Asn Val Gly Asp
65 70 75 80

Ser Arg Gly Val Leu Cys Asp Lys Asp Gly Asn Ala Ile Pro Leu Ser
85 90 95

His Asp His Lys Pro Tyr Gln Leu Lys Glu Arg Lys Arg Ile Lys Arg
100 105 110

Ala Gly Gly Phe Ile Ser Phe Asn Gly
115 120

<210> 411

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 411

Ala His Cys Ser Leu Lys Leu Pro Gly Ser Ser His Pro Leu Ala Ser
1 5 10 15

Ala Ser Xaa Val Ala Gly Ile Thr Gly Val His His Cys His Thr Gln
20 25 30

Leu Ile Phe Asn Phe
35

<210> 412

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 412

Asp Thr Glu Phe His Ser Val Thr Gln Ala Gly Val Glu Trp Cys His
1 5 10 15

Leu Ser Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys
20 25 30

Leu Ser Leu Xaa Ser Ser Trp Asp Tyr Arg His Val Pro Pro Cys Leu
35 40 45

Ala Asn Phe Cys Ile Phe
50

<210> 413

<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 413
His Ser Val Thr Gln Ala Gly Val Glu Trp Cys His Leu Ser Ser Leu
1 5 10 15
Gln Pro Leu Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser Leu Xaa
20 25 30
Ser Ser Trp Asp Tyr Arg His Val Pro Pro Cys Leu Ala Asn Phe Cys
35 40 45
Ile Phe
50

<210> 414
<211> 94
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 414
Ser Thr His Cys Asn Leu Arg Leu Leu Gly Ser Ser Asp Ser Pro Ala
1 5 10 15
Ser Ala Ser Arg Val Ala Gly Val Thr Gly Met Cys His His Ala Gln
20 25 30
Leu Ile Phe Val Leu Leu Val Glu Thr Gly Phe Cys His Val Gly Gln
35 40 45
Ala Gly Leu Glu Leu Leu Thr Ser His Asp Leu Arg Thr Xaa Ala Ser
50 55 60
Gln Ser Val Gly Ile Thr Gly Val Ser His Arg Thr Arg Pro Gly Leu
65 70 75 80
Pro Leu Cys Thr Tyr Phe Val Glu Ala Glu Leu Arg Pro Gly
85 90

<210> 415
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 415
 Pro Tyr Leu Pro His Phe Xaa Ile Phe Cys Arg Asp Gly Val Ser Leu
 1 5 10 15

 Cys Cys Pro Gly Trp Ser Xaa Thr Pro Glu Phe Lys Gln Ser Ser Ala
 20 25 30

 Leu Ala

 <210> 416
 <211> 13
 <212> PRT
 <213> Homo sapiens

 <400> 416
 Glu Cys Trp Asp Tyr Arg His Glu Pro Ser Cys Leu Ala
 1 5 10

 <210> 417
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <400> 417
 Leu Pro Lys Cys Trp Ser Ala
 1 5

 <210> 418
 <211> 317
 <212> PRT
 <213> Homo sapiens

 <400> 418
 Val Ala Val Leu Cys Val Cys Asp Leu Ser Pro Ala Gln Cys Asp Ile
 1 5 10 15

 Asn Cys Cys Cys Asp Pro Asp Cys Ser Ser Val Asp Phe Ser Val Phe
 20 25 30

 Ser Ala Cys Ser Val Pro Val Val Thr Gly Asp Ser Gln Phe Cys Ser
 35 40 45

 Gln Lys Ala Val Ile Tyr Ser Leu Asn Phe Thr Ala Asn Pro Pro Gln
 50 55 60

 Arg Val Phe Glu Leu Val Asp Gln Ile Asn Pro Ser Ile Phe Cys Ile
 65 70 75 80

 His Ile Thr Asn Tyr Lys Pro Ala Leu Ser Phe Ile Asn Pro Glu Val
 85 90 95

 Pro Asp Glu Asn Asn Phe Asp Thr Leu Met Lys Thr Ser Asp Gly Phe
 100 105 110

Thr Leu Asn Ala Glu Ser Tyr Val Ser Phe Thr Thr Lys Leu Asp Ile
 115 120 125
 Pro Thr Ala Ala Lys Tyr Glu Tyr Gly Val Pro Leu Gln Thr Ser Asp
 130 135 140
 Ser Phe Leu Arg Phe Pro Ser Ser Leu Thr Ser Ser Leu Cys Thr Asp
 145 150 155 160
 Asn Asn Pro Ala Ala Phe Leu Val Asn Gln Ala Val Lys Cys Thr Arg
 165 170 175
 Lys Ile Asn Leu Glu Gln Cys Glu Glu Ile Glu Ala Leu Ser Met Ala
 180 185 190
 Phe Tyr Ser Ser Pro Glu Ile Leu Arg Val Pro Asp Ser Arg Lys Lys
 195 200 205
 Val Pro Ile Thr Val Gln Ser Ile Val Ile Gln Ser Leu Asn Lys Thr
 210 215 220
 Leu Thr Arg Arg Glu Asp Thr Asp Val Leu Gln Pro Thr Leu Val Asn
 225 230 235 240
 Ala Gly His Phe Ser Leu Cys Val Asn Val Val Leu Glu Val Lys Tyr
 245 250 255
 Ser Leu Thr Tyr Thr Asp Ala Gly Glu Val Thr Lys Ala Asp Leu Ser
 260 265 270
 Phe Val Leu Gly Thr Val Ser Ser Val Val Val Pro Leu Gln Gln Lys
 275 280 285
 Phe Glu Ile His Phe Leu Gln Glu Asn Thr Gln Pro Val Pro Leu Ser
 290 295 300
 Gly Asn Pro Gly Tyr Val Val Gly Leu Pro Leu Ala Ala
 305 310 315

<210> 419

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 419

Cys Leu Leu His Pro Ile Ile Pro Xaa Pro Val Ile Asn Gly Tyr Arg
 1 5 10 15

Asn Lys Ser Thr Phe Ser Val Asn Arg Gly Pro Asp Gly Asn Pro Lys

Ile	Leu	Leu	Gly	Leu	Thr	Asp	Cys	Pro	Glu	Leu	Gln	Ser	Leu	Leu	Phe
			20					25					30		
Val	Leu	Phe	Leu	Val	Val	Tyr	Leu	Val	Thr	Leu	Leu	Gly	Asn	Leu	Gly
		35					40					45			
Met	Ile	Met	Leu	Met	Arg	Leu	Asp	Ser	Arg	Leu	His	Thr	Pro	Met	Tyr
	50					55					60				
Phe	Phe	Leu	Thr	Asn	Leu	Ala	Phe	Val	Asp	Leu	Cys	Tyr	Thr	Ser	Asn
65					70					75					80
Ala	Thr	Pro	Gln	Met	Ser	Thr	Asn	Ile	Val	Ser	Glu	Lys	Thr	Ile	Ser
				85					90					95	
Phe	Ala	Gly	Cys	Phe	Thr	Gln	Cys	Tyr	Ile	Phe	Ile	Ala	Leu	Leu	Leu
		100						105					110		
Thr	Glu	Phe	Tyr	Met	Leu	Ala	Ala	Met	Ala	Tyr	Asp	Arg	Tyr	Val	Ala
		115					120					125			
Ile	Xaa	Asp	Pro	Leu	Arg	Tyr	Ser	Val	Lys	Thr	Ser	Arg	Arg	Val	Cys
	130					135					140				
Ile	Cys	Leu	Ala	Thr	Phe	Pro	Tyr	Val	Tyr	Gly	Phe	Ser	Asp	Gly	Leu
145					150					155					160
Phe	Gln	Ala	Ile	Leu	Thr	Phe	Arg	Leu	Thr	Phe	Cys	Arg	Ser	Asn	Val
				165					170					175	
Ile	Asn	His	Phe	Tyr	Cys	Ala	Asp	Pro	Pro	Leu	Ile	Lys	Leu	Ser	
		180						185					190		

<210> 423

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Asp Ile Cys Gly Ser Arg Asn Ser Cys Val Ser Cys Val Asp Gly Asn
 1 5 10 15
 Ala Thr Cys Phe Trp Ile Glu Cys Lys Gly Lys Ser Tyr Cys Ser Asp
 20 25 30
 Asn Ser Thr Ala Gly Asp Cys Lys Val Val Asn Thr Thr Gly Phe Cys
 35 40 45
 Ser Ala Lys Thr Thr Thr Leu Pro Ser Thr Thr Thr Thr Ser Thr Thr
 50 55 60
 Xaa Thr Thr Ser Gly Thr Thr Asn Thr Thr Leu Ser Pro Thr Ile Gln
 65 70 75 80
 Pro Thr Arg Lys Ser Thr Phe Asp Ala Xaa Gln Phe His Trp Arg Asn
 85 90 95
 Xaa Pro Cys Leu Gly Val Xaa Ala Val Ile Phe Phe Leu Tyr
 100 105 110

<210> 424
 <211> 146
 <212> PRT
 <213> Homo sapiens

<400> 424
 Leu Lys Lys Thr Trp Ala Arg Trp Arg His Met Phe Arg Glu Gln Pro
 1 5 10 15
 Val Asp Glu Ile Arg Asn Tyr Phe Gly Glu Lys Val Ala Leu Tyr Phe
 20 25 30
 Val Trp Leu Gly Trp Tyr Thr Tyr Met Leu Val Pro Ala Ala Leu Thr
 35 40 45
 Gly Leu Leu Val Phe Leu Ser Gly Phe Ser Leu Phe Glu Ala Ser Gln
 50 55 60
 Ile Ser Lys Glu Ile Cys Glu Ala His Asp Ile Leu Met Cys Pro Leu
 65 70 75 80
 Gly Asp His Ser Arg Arg Tyr Gln Arg Leu Ser Glu Thr Cys Thr Phe
 85 90 95
 Ala Lys Leu Thr His Leu Phe Asp Asn Asp Gly Thr Val Val Phe Ala
 100 105 110
 Ile Phe Met Ala Leu Trp Ala Thr Val Phe Leu Glu Ile Trp Lys Arg
 115 120 125
 Gln Arg Ala Arg Val Val Leu His Trp Asp Leu Tyr Val Trp Asp Glu
 130 135 140
 Glu Gln
 145

<210> 425
 <211> 44
 <212> PRT

<213> Homo sapiens

<400> 425

Met Glu Ser Arg Ser Val Ser Gln Ala Gly Gly Gln Trp Arg Asp Leu
1 5 10 15

Gly Ser Leu Gln Pro Pro Pro Pro Arg Phe Lys Arg Phe Ser Cys Leu
20 25 30

Gly Leu Pro Lys Cys Trp Asp Tyr Arg His Glu Pro
35 40

<210> 426

<211> 40

<212> PRT

<213> Homo sapiens

<400> 426

Ser Val Ser Gln Ala Gly Gly Gln Trp Arg Asp Leu Gly Ser Leu Gln
1 5 10 15

Pro Pro Pro Pro Arg Phe Lys Arg Phe Ser Cys Leu Gly Leu Pro Lys
20 25 30

Cys Trp Asp Tyr Arg His Glu Pro
35 40

<210> 427

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 427

Pro Arg Leu Lys Gln Ser Phe Cys Leu Asp Leu Pro Arg Cys Trp Asp
1 5 10 15

Tyr Arg His Glu Pro Leu His Leu Ala Phe Ile Xaa Phe Leu Ser Phe
20 25 30

Phe Leu Ser Phe Phe Phe Xaa Met Glu Ser Arg Ser Val Ser Gln Ala
35 40 45

Gly Gly Gln Trp Arg Asp Leu Gly Ser Leu Gln Pro Pro Pro Pro Arg
50 55 60

Phe Lys
65

<210> 428

<211> 44

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 428
Ala Gln Ala Gly Val Gln Xaa Leu Asn Leu Ser Ser Leu Gln Pro Gln
1 5 10 15
Pro Ala Gly Leu Lys Gln Ser Ser His Pro Ser Leu Pro Ser Ser Trp
20 25 30
Asp Tyr Arg Tyr Ser Thr Pro His Pro Ala Asn Phe
35 40

<210> 429
<211> 31
<212> PRT
<213> Homo sapiens

<400> 429
Phe Phe Cys Arg Asp Gly Ile Ser Pro Cys Cys Pro Gly Trp Ser Arg
1 5 10 15
Thr Pro Arg Leu Arg Arg Ser Ala His Leu Asn Leu Pro Gln Cys
20 25 30

<210> 430
<211> 356
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (189)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (253)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 430
Met Phe Gly Thr Leu Leu Leu Tyr Cys Phe Phe Leu Ala Thr Val Pro
1 5 10 15
Ala Leu Ala Glu Thr Gly Gly Glu Arg Gln Leu Ser Pro Glu Lys Ser
20 25 30
Glu Ile Trp Gly Pro Gly Leu Lys Ala Asp Val Val Leu Pro Ala Arg
35 40 45
Tyr Phe Tyr Ile Gln Ala Val Asp Thr Ser Gly Asn Lys Phe Thr Ser
50 55 60
Ser Pro Gly Glu Lys Val Phe Gln Val Lys Val Ser Ala Pro Glu Glu
65 70 75 80

Gln Phe Thr Arg Val Gly Val Gln Val Leu Asp Arg Lys Asp Gly Ser
 85 90 95
 Phe Ile Val Arg Tyr Arg Met Tyr Ala Ser Tyr Lys Asn Leu Lys Val
 100 105 110
 Glu Val Lys Phe Gln Gly Gln His Val Ala Lys Ser Pro Tyr Ile Leu
 115 120 125
 Lys Gly Pro Val Tyr His Glu Asn Cys Asp Cys Pro Leu Gln Asp Ser
 130 135 140
 Ala Ala Trp Leu Arg Glu Met Asn Cys Pro Glu Thr Ile Ala Gln Ile
 145 150 155 160
 Gln Arg Asp Leu Ala His Phe Pro Ala Val Asp Pro Glu Lys Ile Ala
 165 170 175
 Val Glu Ile Pro Lys Arg Phe Gly Gln Arg Gln Ser Xaa Cys His Tyr
 180 185 190
 Thr Leu Lys Asp Asn Lys Val Tyr Ile Lys Thr His Gly Glu His Val
 195 200 205
 Gly Phe Arg Ile Phe Met Asp Ala Ile Leu Leu Ser Leu Thr Arg Lys
 210 215 220
 Val Lys Met Pro Asp Val Glu Leu Phe Val Asn Leu Gly Asp Trp Pro
 225 230 235 240
 Leu Glu Lys Lys Lys Ser Asn Ser Asn Ile His Pro Xaa Phe Ser Trp
 245 250 255
 Cys Gly Ser Thr Asp Ser Lys Asp Ile Val Met Pro Thr Tyr Asp Leu
 260 265 270
 Thr Asp Ser Val Leu Glu Thr Met Gly Arg Val Ser Leu Asp Met Met
 275 280 285
 Ser Val Gln Ala Asn Thr Gly Pro Pro Trp Glu Ser Lys Asn Ser Thr
 290 295 300
 Ala Val Trp Arg Gly Arg Asp Ser Arg Lys Glu Arg Leu Glu Leu Val
 305 310 315 320
 Lys Leu Ser Arg Lys His Pro Glu Leu Ile Asp Ala Ala Phe Thr Asn
 325 330 335
 Phe Phe Phe Phe Lys His Asp Glu Asn Leu Tyr Gly Pro Ile Val Asn
 340 345 350
 Ile Phe His Phe
 355

<210> 431

<211> 151

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 431
 Glu His Ile Ser Phe Phe Asp Phe Phe Lys His Lys Tyr Xaa Ile Asn
 1 5 10 15
 Ile Asp Gly Thr Val Ala Ala Tyr Arg Leu Pro Tyr Leu Leu Val Gly
 20 25 30
 Asp Ser Val Val Leu Lys Gln Asp Ser Ile Tyr Tyr Glu His Phe Tyr
 35 40 45
 Asn Glu Leu Gln Pro Trp Lys His Tyr Ile Pro Val Lys Ser Asn Leu
 50 55 60
 Ser Asp Leu Leu Glu Xaa Leu Lys Trp Ala Lys Asp His Asp Glu Glu
 65 70 75 80
 Ala Lys Lys Ile Ala Lys Ala Gly Gln Glu Phe Ala Arg Asn Asn Leu
 85 90 95
 Met Gly Asp Asp Ile Phe Cys Tyr Tyr Phe Lys Leu Phe Gln Glu Tyr
 100 105 110
 Ala Asn Leu Gln Val Ser Glu Pro Gln Ile Arg Glu Gly Met Lys Arg
 115 120 125
 Val Glu Pro Gln Thr Glu Asp Asp Leu Phe Pro Cys Thr Cys His Arg
 130 135 140
 Lys Lys Thr Lys Asp Glu Leu
 145 150

<210> 432
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 432
 Asp Trp Leu Thr Glu Lys Pro Glu Leu Phe Gln Leu Ala Leu Lys Ala
 1 5 10 15
 Phe Arg Tyr Thr Leu Lys Leu Met Ile Asp Lys Ala Ser Leu Gly Pro
 20 25 30
 Ile Glu Asp Phe Arg Glu Leu Ile Lys Tyr Leu Glu Glu Tyr Glu Arg
 35 40 45
 Asp Trp Tyr Ile Gly Leu Val Ser Asp Glu Lys Trp Lys Glu Ala Ile
 50 55 60
 Leu Gln Glu Lys Pro Tyr Leu Phe Ser Leu Gly Tyr Asp Ser Asn Met

65		70		75		80									
Gly	Ile	Tyr	Thr	Gly	Arg	Val	Leu	Ser	Leu	Gln	Glu	Leu	Leu	Ile	Gln
				85					90					95	
Val	Gly	Lys	Leu	Asn	Pro	Glu	Ala	Val	Arg	Gly	Gln	Trp	Ala	Asn	Leu
			100					105					110		
Ser	Trp	Glu	Leu	Leu	Tyr	Ala	Thr	Asn	Asp	Asp	Glu	Glu	Arg	Tyr	Ser
		115					120					125			
Ile	Gln	Ala	His	Pro	Leu	Leu	Leu	Arg	Asn	Leu	Thr	Val	Gln	Ala	Ala
	130					135					140				
Glu	Pro	Pro	Leu	Gly	Tyr	Pro	Ile	Tyr	Ser	Ser	Lys	Pro	Leu		
145					150					155					

<210> 433

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 433

Val	Arg	Met	Glu	Met	Ala	Ser	Ser	Ala	Gly	Ser	Trp	Leu	Ser	Gly	Cys
1				5					10					15	
Leu	Ile	Pro	Leu	Val	Phe	Leu	Arg	Leu	Ser	Val	His	Val	Ser	Gly	His
			20					25					30		
Ala	Gly	Asp	Ala	Gly	Lys	Phe	His	Val	Ala	Leu	Leu	Gly	Gly	Thr	Ala
		35					40					45			
Glu	Leu	Leu	Cys	Pro	Leu	Ser	Leu	Trp	Pro	Gly	Thr	Val	Pro	Lys	Xaa
	50					55					60				
Val	Arg	Trp	Leu	Arg	Ser	Pro	Phe	Pro	Gln	Arg	Ser	Gln	Ala	Val	His
65					70					75					80
Ile	Phe	Arg	Asp	Gly	Lys	Asp	Gln	Asp	Glu	Asp	Leu	Met	Pro	Glu	Tyr
			85						90					95	
Lys	Gly	Arg	Thr	Val	Leu	Val	Arg	Asp	Ala	Gln	Glu	Gly	Ser	Val	Thr
			100					105					110		
Leu	Gln	Ile	Leu	Asp	Val	Arg	Leu								
	115						120								

<210> 434

<211> 143

<212> PRT

<213> Homo sapiens

<400> 434

Asp	Pro	His	Gln	Leu	Phe	Asp	Asp	Thr	Ser	Ser	Ala	Gln	Ser	Arg	Gly
1				5					10					15	

Tyr Gly Ala Gln Arg Ala Pro Gly Gly Leu Ser Tyr Pro Ala Ala Ser
 20 25 30
 Pro Thr Pro His Ala Ala Phe Leu Ala Asp Pro Val Ser Asn Met Ala
 35 40 45
 Met Ala Tyr Gly Ser Ser Leu Ala Ala Gln Gly Lys Glu Leu Val Asp
 50 55 60
 Lys Asn Ile Asp Arg Phe Ile Pro Ile Thr Lys Leu Lys Tyr Tyr Phe
 65 70 75 80
 Ala Val Asp Thr Met Tyr Val Gly Arg Lys Leu Gly Leu Leu Phe Phe
 85 90 95
 Pro Tyr Leu His Gln Asp Trp Glu Val Gln Tyr Gln Gln Asp Thr Pro
 100 105 110
 Val Ala Pro Arg Phe Asp Val Asn Ala Pro Asp Leu Tyr Ile Pro Ala
 115 120 125
 Met Ala Phe Ile Thr Tyr Val Leu Val Ala Gly Leu Arg Trp Gly
 130 135 140

<210> 435

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 435

Met Asn Met Ser Val Leu Thr Leu Gln Glu Tyr Glu Phe Glu Lys Gln
 1 5 10 15

Phe Asn Glu Asn Glu Ala Ile Gln Trp Met Gln Glu Asn Trp Lys Lys
 20 25 30

Ser Phe Leu Phe Ser Ala Leu Tyr Ala Ala Phe Ile Phe Gly Gly Arg
 35 40 45

His Leu Met Asn Lys Arg Ala Lys Phe Glu Leu Arg Lys Pro Leu Val
 50 55 60

Leu Trp Ser Leu Thr Leu Ala Val Phe Ser Ile Phe Gly Ala Leu Arg
 65 70 75 80

Thr Gly Ala Tyr Met Val Tyr Ile Leu Met Thr Lys Gly Leu Lys Gln
 85 90 95

Ser Val Cys Asp Gln Xaa Phe Tyr Asn Gly Pro Val Ser Lys Phe Trp

100	105	110
Ala Tyr Ala Phe Val Leu Ser Lys Ala Pro Glu Leu Gly Asp Thr Ile		
115	120	125
Phe Ile Ile Leu Arg Lys Gln Lys Leu Ile Phe Leu His Trp Tyr His		
130	135	140
His Ile Thr Val Leu Leu Tyr Ser Trp Tyr Ser Tyr Lys Asp Met Xaa		
145	150	155
Cys Arg Gly Gly Trp Phe Met Thr Met Asn Tyr Gly Val His Ala Val		
165	170	175
Met Tyr Ser		

<210> 436
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 436
Arg Trp Asn Phe Ser Leu Ile Ala Gln Ala Gly Val Gln Trp His Asp
1 5 10 15
Leu Gly Ser Pro Gln Pro Pro Pro Pro Gly Leu Lys Arg Phe Ser Phe
20 25 30
Leu Gly Leu Pro Ser Ser Trp Asp Tyr Arg His Ala Pro Pro Cys Pro
35 40 45
Ala Asn Phe Val Phe Leu Val Glu Met Gly Phe Leu His Val Gly Gln
50 55 60
Ala Gly Leu Glu Leu Pro Thr Ser Gly Gly Pro Pro Ala Trp Ala Ser
65 70 75 80
Gln Ser Ala Gly Ile Thr Gly Val Ser His Arg Ala Trp Pro Glu Asn
85 90 95
Ser His

<210> 437
 <211> 583
 <212> PRT
 <213> Homo sapiens

<400> 437
Val Thr Arg Gln Asp Met Asn Asp Ala Val Ile Thr Leu Asn Gly Leu
1 5 10 15
Glu Lys Arg Phe Pro Gly Met Asp Lys Pro Ala Val Ala Pro Leu Asp
20 25 30
Cys Thr Ile His Ala Gly Tyr Val Thr Gly Leu Val Gly Pro Asp Gly
35 40 45
Ala Gly Lys Thr Thr Leu Met Arg Met Leu Ala Gly Leu Leu Lys Pro

50					55					60					
Asp 65	Ser	Gly	Ser	Ala	Thr 70	Val	Ile	Gly	Phe	Asp 75	Pro	Ile	Lys	Asn	Asp 80
Gly	Ala	Leu	His	Ala 85	Val	Leu	Gly	Tyr	Met 90	Pro	Gln	Lys	Phe	Gly 95	Leu
Tyr	Glu	Asp	Leu 100	Thr	Val	Met	Glu	Asn 105	Leu	Asn	Leu	Tyr	Ala 110	Asp	Leu
Arg	Ser	Val 115	Thr	Gly	Glu	Ala	Arg 120	Lys	Gln	Thr	Phe	Ala 125	Arg	Leu	Leu
Glu 130	Phe	Thr	Ser	Leu	Gly	Pro 135	Phe	Thr	Gly	Arg	Leu 140	Ala	Gly	Lys	Leu
Ser 145	Gly	Gly	Met	Lys	Gln 150	Lys	Leu	Gly	Leu	Ala 155	Cys	Thr	Leu	Val	Gly 160
Glu	Pro	Lys	Val 165	Leu	Leu	Leu	Asp	Glu 170	Pro	Gly	Val	Gly	Val	Asp 175	Pro
Ile	Ser	Arg 180	Arg	Glu	Leu	Trp	Gln 185	Met	Val	His	Glu	Leu 190	Ala	Gly	Glu
Gly	Met 195	Leu	Ile	Leu	Trp	Ser 200	Thr	Ser	Tyr	Leu	Asp 205	Glu	Ala	Glu	Gln
Cys 210	Arg	Asp	Val	Leu	Leu	Met 215	Asn	Glu	Gly	Glu 220	Leu	Leu	Tyr	Gln	Gly
Glu 225	Pro	Lys	Ala	Leu	Thr 230	Gln	Thr	Met	Ala	Gly 235	Arg	Ser	Phe	Leu	Met 240
Thr	Ser	Pro	His 245	Glu	Gly	Asn	Arg	Lys	Leu 250	Leu	Gln	Arg	Ala 255	Leu	Lys
Leu	Pro	Gln 260	Val	Ser	Asp	Gly	Met 265	Ile	Gln	Gly	Lys	Ser 270	Val	Arg	Leu
Ile 275	Leu	Lys	Lys	Glu	Ala	Thr 280	Pro	Asp	Asp	Ile	Arg	His 285	Ala	Asp	Gly
Met 290	Pro	Glu	Ile	Asn	Ile	Asn 295	Glu	Thr	Thr	Pro	Arg 300	Phe	Glu	Asp	Ala
Phe 305	Ile	Asp	Leu	Leu	Gly 310	Gly	Ala	Gly	Thr	Ser 315	Glu	Ser	Pro	Leu	Gly 320
Ala	Ile	Leu	His 325	Thr	Val	Glu	Gly	Thr	Pro 330	Gly	Glu	Thr	Val	Ile 335	Glu
Ala	Lys	Glu 340	Leu	Thr	Lys	Lys	Phe	Gly 345	Asp	Phe	Ala	Ala 350	Thr	Asp	His
Val	Asn 355	Phe	Ala	Val	Lys	Arg	Gly 360	Glu	Ile	Phe	Gly	Leu 365	Leu	Gly	Pro
Asn	Gly	Ala	Gly	Lys	Ser	Thr	Thr	Phe	Lys	Met	Met	Cys	Gly	Leu	Leu

370 375 380
 Val Pro Thr Ser Gly Gln Ala Leu Val Leu Gly Met Asp Leu Lys Glu
 385 390 395 400
 Ser Ser Gly Lys Ala Arg Gln His Leu Gly Tyr Met Ala Gln Lys Phe
 405 410 415
 Ser Leu Tyr Gly Asn Leu Thr Val Glu Gln Asn Leu Arg Phe Phe Ser
 420 425 430
 Gly Val Tyr Gly Leu Arg Gly Arg Ala Gln Asn Glu Lys Ile Ser Arg
 435 440 445
 Met Ser Glu Ala Phe Gly Leu Lys Ser Ile Ala Ser His Ala Thr Asp
 450 455 460
 Glu Leu Pro Leu Gly Phe Lys Gln Arg Leu Ala Leu Ala Cys Ser Leu
 465 470 475 480
 Met His Glu Pro Asp Ile Leu Phe Leu Asp Glu Pro Thr Ser Gly Val
 485 490 495
 Asp Pro Leu Thr Arg Arg Glu Phe Trp Leu His Ile Asn Ser Met Val
 500 505 510
 Glu Lys Gly Val Thr Val Met Val Thr Thr His Phe Met Asp Glu Ala
 515 520 525
 Glu Tyr Cys Asp Arg Ile Gly Leu Val Tyr Arg Gly Lys Leu Ile Ala
 530 535 540
 Ser Gly Thr Pro Asp Asp Leu Lys Ala Gln Ser Ala Asn Asp Glu Gln
 545 550 555 560
 Pro Asp Pro Thr Met Glu Gln Ala Phe Ile Gln Leu Ile His Asp Trp
 565 570 575
 Asp Lys Glu His Ser Asn Glu
 580
 <210> 438
 <211> 72
 <212> PRT
 <213> Homo sapiens
 <400> 438
 Ser Ile Glu Leu Leu Gly Ser Asp Asp Leu Ser Thr Ser Ala Ser Gln
 1 5 10 15
 Val Val Gly Thr Leu Gly Met Leu Cys His Ala Trp Leu Leu Leu Met
 20 25 30
 Tyr Leu Phe Leu Glu Met Arg Ser His Cys Val Ala Gln Thr Gly Leu
 35 40 45
 Glu Leu Leu Ala Ser Ser His Pro Pro Phe Ser Ala Ser Thr Val Ala
 50 55 60
 Gly Ile Ser Gly Thr Cys His Cys

65

70

<210> 439

<211> 143

<212> PRT

<213> Homo sapiens

<400> 439

Asp Pro His Gln Leu Phe Asp Asp Thr Ser Ser Ala Gln Ser Arg Gly
 1 5 10 15

Tyr Gly Ala Gln Arg Ala Pro Gly Gly Leu Ser Tyr Pro Ala Ala Ser
 20 25 30

Pro Thr Pro His Ala Ala Phe Leu Ala Asp Pro Val Ser Asn Met Ala
 35 40 45

Met Ala Tyr Gly Ser Ser Leu Ala Ala Gln Gly Lys Glu Leu Val Asp
 50 55 60

Lys Asn Ile Asp Arg Phe Ile Pro Ile Thr Lys Leu Lys Tyr Tyr Phe
 65 70 75 80

Ala Val Asp Thr Met Tyr Val Gly Arg Lys Leu Gly Leu Leu Phe Phe
 85 90 95

Pro Tyr Leu His Gln Asp Trp Glu Val Gln Tyr Gln Gln Asp Thr Pro
 100 105 110

Val Ala Pro Arg Phe Asp Val Asn Ala Pro Asp Leu Tyr Ile Pro Ala
 115 120 125

Met Ala Phe Ile Thr Tyr Val Leu Val Ala Gly Leu Arg Trp Gly
 130 135 140

<210> 440

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 440

Gly Pro Ala Pro Cys Pro Thr Leu Gly Xaa Ser Cys Cys Cys Ser Cys
1 5 10 15
Cys Cys Cys Pro Ser Gly Ala Lys Pro Thr Gln Ala Ala Thr Gly Ser
20 25 30
Gln Gly Cys Pro Ala Cys Pro Gly His Gln Gly Arg Met Gly Thr Thr
35 40 45
Asp Cys Arg Gly Pro Arg Gly Ser Gln Glu Ser Gln Pro Phe Pro Gly
50 55 60
Ser Glu Asp Pro Lys Gly Arg Arg Glu Asn Pro Ala Tyr Pro Ala Ile
65 70 75 80
Leu Gly Lys Met Ala Pro Trp Asp Pro Leu Gly Cys Xaa Gly Xaa Pro
85 90 95
Ala Pro Trp Ala Xaa Leu Glu Ser Gln Lys Phe Gln Ser Val Phe Thr
100 105 110
Val Thr Arg Gln Thr His Gln Pro Pro Ala Pro Asn Ser Leu Ile Arg
115 120 125
Phe Asn Ala Val Leu Thr Asn Pro Gln Gly Asp Tyr Asp Thr Ser Thr
130 135 140
Gly Lys Phe Thr Cys Lys Val Pro Gly Leu Tyr Tyr Phe Val Tyr His
145 150 155 160
Ala Ser His Thr Ala Asn Leu Cys Val Leu Leu Tyr Arg Ser Gly Val
165 170 175
Lys Val Val Thr Phe Cys Gly His Thr Ser Lys Thr Asn Gln Val Asn
180 185 190
Ser Gly Gly Val Leu Leu Arg Leu Gln Val Gly Glu Glu Val Trp Leu
195 200 205
Ala Val Asn Asp Tyr Tyr Asp Met Val Gly Ile Gln Gly Ser Asp Ser
210 215 220
Val Phe Ser Gly Phe Leu Leu Phe Pro Asp
225 230

<210> 441

<211> 97

<212> PRT

<213> Homo sapiens

<400> 441

Gly Phe Thr Leu Trp Gly Ser Glu Tyr Ser Trp Asn Trp Asn Ala Ile
1 5 10 15
Asp Glu Gly Pro Lys Arg Asp Ile Val Lys Glu Leu Glu Val Ala Ile
20 25 30
Arg Asn Arg Thr Asp Leu Arg Phe Gly Leu Tyr Tyr Ser Leu Phe Glu
35 40 45

Trp Phe His Pro Leu Phe Leu Glu Asp Glu Ser Ser Ser Phe His Lys
50 55 60
Arg Gln Phe Pro Val Ser Lys Thr Leu Pro Glu Leu Tyr Glu Leu Val
65 70 75 80
Asn Asn Tyr Gln Pro Glu Val Leu Trp Ser Asp Gly Asp Gly Gly Glu
85 90 95

Pro

<210> 442
<211> 50
<212> PRT
<213> Homo sapiens

<400> 442
Ala His Ser Ala Thr Arg Phe Asp Pro Thr Trp Glu Ser Leu Asp Ala
1 5 10 15
Arg Gln Leu Pro Ala Trp Phe Asp Gln Ala Lys Phe Gly Ile Phe Ile
20 25 30
His Trp Gly Val Phe Ser Val Pro Ser Phe Gly Ser Glu Trp Phe Trp
35 40 45

Leu Tyr
50

<210> 443
<211> 28
<212> PRT
<213> Homo sapiens

<400> 443
Tyr Trp Asn Ser Thr Gly Phe Leu Ala Trp Leu Tyr Asn Glu Ser Pro
1 5 10 15
Val Arg Gly Thr Val Val Thr Asn Asp Arg Trp Gly
20 25

<210> 444
<211> 309
<212> PRT
<213> Homo sapiens

<400> 444
Phe His Phe Thr Asp Cys Leu Phe Phe Gly Ser Leu Met Ser Ala Thr
1 5 10 15
Asp Pro Val Thr Val Leu Ala Ile Phe His Glu Leu His Val Asp Pro
20 25 30
Asp Leu Tyr Thr Leu Leu Phe Gly Glu Ser Val Leu Asn Asp Ala Val
35 40 45
Ala Ile Val Leu Thr Tyr Ser Ile Ser Ile Tyr Ser Pro Lys Glu Asn
50 55 60

Pro Asn Ala Phe Asp Ala Ala Ala Phe Phe Gln Ser Val Gly Asn Phe
 65 70 75 80
 Leu Gly Ile Phe Ala Gly Ser Phe Ala Met Gly Ser Ala Tyr Ala Ile
 85 90 95
 Ile Thr Ala Leu Leu Thr Lys Phe Thr Lys Leu Cys Glu Phe Pro Met
 100 105 110
 Leu Glu Thr Gly Leu Phe Phe Leu Leu Ser Trp Ser Ala Phe Leu Ser
 115 120 125
 Ala Glu Ala Ala Gly Leu Thr Gly Ile Val Ala Val Leu Phe Cys Gly
 130 135 140
 Val Thr Gln Ala His Tyr Thr Tyr Asn Asn Leu Ser Ser Asp Ser Lys
 145 150 155 160
 Ile Arg Thr Lys Gln Leu Phe Glu Phe Met Asn Phe Leu Ala Glu Asn
 165 170 175
 Val Ile Phe Cys Tyr Met Gly Leu Ala Leu Phe Thr Phe Gln Asn His
 180 185 190
 Ile Phe Asn Ala Leu Phe Ile Leu Gly Ala Phe Leu Ala Ile Phe Val
 195 200 205
 Ala Arg Ala Cys Asn Ile Tyr Pro Leu Ser Phe Leu Leu Asn Leu Gly
 210 215 220
 Arg Lys Gln Lys Ile Pro Trp Asn Phe Gln His Met Met Met Phe Ser
 225 230 235 240
 Gly Leu Arg Gly Ala Ile Ala Phe Ala Leu Ala Ile Arg Asn Thr Glu
 245 250 255
 Ser Gln Pro Lys Gln Met Met Phe Thr Thr Thr Leu Leu Leu Val Phe
 260 265 270
 Phe Thr Val Trp Val Phe Gly Gly Gly Thr Thr Pro Met Leu Thr Trp
 275 280 285
 Leu Gln Ile Arg Val Gly Val Asp Leu Asp Glu Asn Leu Lys Glu Asp
 290 295 300
 Pro Ser Ser Gln His
 305

<210> 445

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 445

Ser	Met	Glu	Val	Gly	Val	Cys	Val	Glu	Ala	Tyr	Arg	Gln	Glu	Ala	Glu	1	5	10	15
Thr	His	Arg	Arg	His	Xaa	Asn	Ser	Ala	Phe	Met	Thr	Phe	Val	Val	Leu	20	25	30	
Asp	Ala	Asp	Asp	Gln	Pro	Gln	Leu	Leu	Pro	Trp	Ile	Arg	Pro	Gln	Pro	35	40	45	
Gly	Asp	Gly	Glu	Arg	Arg	Tyr	Arg	Glu	Ala	Ser	Ala	Arg	Lys	Lys	Ile	50	55	60	
Arg	Leu	Asp	Arg	Lys	Tyr	Ile	Val	Ser	Cys	Lys	Gln	Thr	Glu	Val	Pro	65	70	75	80
Leu	Ser	Val	Pro	Trp	Asp	Pro	Ser	Asn	Gln	Val	Tyr	Leu	Ser	85	90				